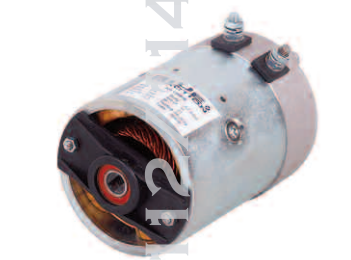


up-to-date : 15-08-2018

|                                                                                   |                                 |     |       |   |      |                             |
|-----------------------------------------------------------------------------------|---------------------------------|-----|-------|---|------|-----------------------------|
|  | AM 136503                       | 12v | 2,0kw | ⇒ | 2400 | 36503 <sup>s</sup><br>36506 |
|                                                                                   | AM 136504                       | 24v | 2,5kw | ⇒ | 2100 | 36504 <sup>s</sup><br>36507 |
|                                                                                   | note : s = with solenoid switch |     |       |   |      |                             |

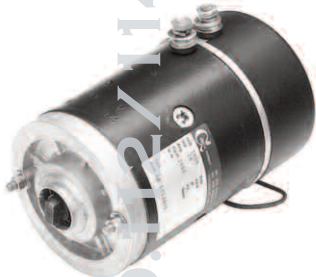
|                                                                                   |                                 |     |       |   |      |                    |       |
|-----------------------------------------------------------------------------------|---------------------------------|-----|-------|---|------|--------------------|-------|
|  | AM 136392                       | 12v | 2,0kw | ⇒ | 2400 | 36392 <sup>s</sup> | 36368 |
|                                                                                   | AM 136531                       | 12v | 2,0kw | ⇒ | 2400 | 36531 <sup>s</sup> | 36611 |
|                                                                                   | AM 136384                       | 24v | 2,5kw | ⇒ | 3200 | 36384 <sup>s</sup> | 36383 |
|                                                                                   | AM 136537                       | 24v | 2,5kw | ⇒ | 3200 | 36537 <sup>s</sup> | 36612 |
|                                                                                   | note : s = with solenoid switch |     |       |   |      |                    |       |

|                                                                                    |                                 |     |       |   |      |       |                                 |
|------------------------------------------------------------------------------------|---------------------------------|-----|-------|---|------|-------|---------------------------------|
|  | AM 136682                       | 12v | 2,5kw | ⇐ | 2400 | 36682 | 36704 <sup>s</sup>              |
|                                                                                    | AM 136807                       | 12v | 2,5kw | ⇒ | 2400 | 36806 | 36807 <sup>s</sup>              |
|                                                                                    | AM 136681                       | 24v | 2,5kw | ⇐ | 2100 | 36681 | 36703 <sup>s</sup><br>24MD22 WA |
|                                                                                    | AM 136808                       | 24v | 2,5kw | ⇒ | 2100 | 36808 | 36809 <sup>s</sup>              |
|                                                                                    | note : s = with solenoid switch |     |       |   |      |       |                                 |

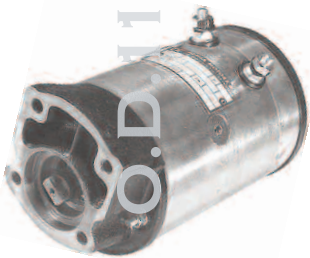
|                                                                                     |                                 |     |       |   |      |       |                    |
|-------------------------------------------------------------------------------------|---------------------------------|-----|-------|---|------|-------|--------------------|
|  | AM 136592                       | 24v | 1,4kw | ⇒ | 2400 | 36592 | 36757 <sup>s</sup> |
|                                                                                     | note : s = with solenoid switch |     |       |   |      |       |                    |

|                                                                                     |                                                                                                    |     |       |   |      |                                                                         |  |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----|-------|---|------|-------------------------------------------------------------------------|--|
|  | AM 137607                                                                                          | 12v | 2,2kw | ⇐ | 2600 | replacement for < female ><br>CCWDE ø112mm motors<br>EFEL ISKRA MONARCH |  |
|                                                                                     | AM 137609                                                                                          | 24v | 2,5kw | ⇐ | 2400 | replacement for < female ><br>CCWDE ø112mm motors<br>EFEL ISKRA MONARCH |  |
|                                                                                     | <i>high performances pumpmotor (s/τ)</i><br><i>9 x 20 brushes - silver coated solenoid contact</i> |     |       |   |      |                                                                         |  |
|                                                                                     | note : s = with solenoid switch    τ = thermal protection 110°                                     |     |       |   |      |                                                                         |  |

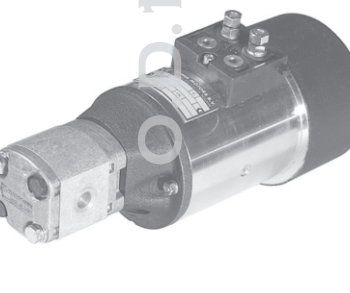
up-to-date : 15-08-2018

|                                                                                     | code                               | nominal power | rot. | rpm  | o.e.m # replacement                                                     |
|-------------------------------------------------------------------------------------|------------------------------------|---------------|------|------|-------------------------------------------------------------------------|
|    | AM 136623                          | 12v 2,0kw     | ⇒    | 2600 | 11.212.623 <sup>T</sup><br>101820-30-12<br>102680-30-12                 |
|                                                                                     | AM 136624                          | 24v 2,2kw     | ⇒    | 2600 | 11.212.624 <sup>T</sup><br>101820-30-24<br>102680-30-34<br>c162 OS1 031 |
|                                                                                     | note : T = thermal protection 110° |               |      |      |                                                                         |
|    | AM 136601                          | 12v 2,0kw     | ⇒    | 2600 | 101820 - 4 - 12<br>102680 - 4 - 12<br>9000566912<br>11.212.112 / 935    |
|                                                                                     | AM 136600                          | 24v 2,2kw     | ⇒    | 2700 | 101820 - 13 - 24<br>102680 - 13 - 24<br>MF 4030                         |
|   | AM 103150                          | 12v 1,8kw     | ⇒    | 2600 | 11.212.087<br>11.212.611<br>11.216.077 <sup>s</sup><br>c 162 010 000    |
|                                                                                     | AM 103240                          | 24v 2,2kw     | ⇒    | 2600 | 11.212.736<br>11.212.987 <sup>s</sup><br>11.212.612<br>c162 011 000     |
|                                                                                     | note : s = with solenoid switch    |               |      |      |                                                                         |
|  | AM 102732                          | 12v 2,0kw     | ⇒    | 2300 | 11.212.085 / 491 <sup>T</sup><br>11.212.066                             |
|                                                                                     | AM 102731                          | 12v 2,0kw     | ⇐    | 2600 | 11.212.257 / 792<br>110.677                                             |
|                                                                                     | AM 102733                          | 24v 2,0kw     | ⇒    | 2200 | 11.212.086 / 492 <sup>T</sup><br>11.212.067                             |
|                                                                                     | AM 102734                          | 24v 2,1kw     | ⇐    | 3200 | 11.212.524 / 258<br>110.678                                             |
|                                                                                     | AM 102735                          | 48v 2,0kw     | ⇒    | 2500 | 11.212.570                                                              |
|                                                                                     | note : T = thermal protection 110° |               |      |      |                                                                         |
|  | AM 102737                          | 12v 1,5kw     | ⇒    | 2300 | 11 212 089<br>IM 0005<br>14916500105 OMFB                               |
|                                                                                     | AM 102736                          | 24v 2,0kw     | ⇒    | 2200 | 11 212 090<br>IM 0006<br>14916500123 OMFB<br>MCB 20-24 DAF              |
|                                                                                     | note :                             |               |      |      |                                                                         |

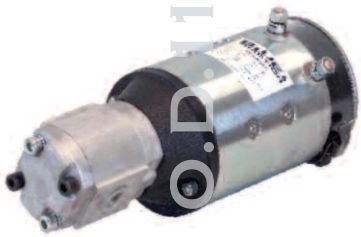
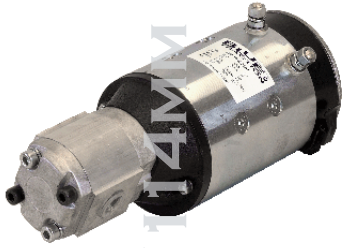
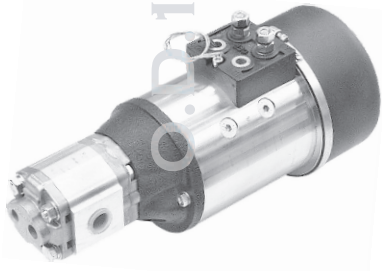
up-to-date : 15-08-2018

|                                                                                     | code                              | nominal power | rot. | rpm  | o.e.m # replacement                                              |
|-------------------------------------------------------------------------------------|-----------------------------------|---------------|------|------|------------------------------------------------------------------|
|    | AM 137150                         | 12v 1,5kw     | ⇒    | 2300 | 11 212 596<br>IM 0186<br>56250A150L5K<br>c162 077 000<br>63116   |
|                                                                                     | AM 137240                         | 24v 2,0kw     | ⇒    | 2200 | 11 212 855<br>IM 0047<br>56250B220L5K<br>c162 078 000            |
|                                                                                     | note :                            |               |      |      |                                                                  |
|    | AM 102150                         | 12v 1,6kw     | ⇒    | 2300 | 0 136 355 010 / 034<br>1 517 220 533 / 537<br>11.216.203 IM 0135 |
|                                                                                     | AM 102200                         | 24v 2,0kw     | ⇒    | 2300 | 0 136 355 038 / 061<br>1 517 220 500 / 520<br>11.216.208 IM 0139 |
|                                                                                     | AM 100115                         | 48v 2,1kw     | ⇒    | 2100 | on request                                                       |
|                                                                                     | note :                            |               |      |      |                                                                  |
|   | AM 102155                         | 12v 1,5kw     | ⇒    | 2500 | 0 136 355 062                                                    |
|                                                                                     | AM 100102                         | 24v 2,2kw     | ⇒    | 2600 | 0 136 355 068                                                    |
|                                                                                     | AM 102214                         | 24v 2,0kw     | ⇒    | 2500 | 0 136 355 058                                                    |
|                                                                                     | AM 102205                         | 48v 2,0kw     | ⇒    | 2500 | 1 547 220 502<br>11.212.359                                      |
|                                                                                     | note :                            |               |      |      |                                                                  |
|  | AM 160101                         | 12v 1,6kw     | ⇒    | 2300 | 0 136 355 055<br>AMJ 5566                                        |
|                                                                                     | AM 102754                         | 24v 2,2kw     | ⇒    | 2500 | 0 136 355 060<br>11.216.205<br>AMJ 5565 / 5718                   |
|                                                                                     | AM 160118                         | 24v 2,1kw     | ⇒    | 2100 | 1 547 220 504<br>11.212.517 / 581                                |
|                                                                                     | note :                            |               |      |      |                                                                  |
|  | AM 102752                         | 12v 1,6kw     | ⇒    | 1700 | 0 136 355 073                                                    |
|                                                                                     | AM 102753                         | 24v 2,0kw     | ⇒    | 2100 | 0 136 355 072<br>0 136 355 078                                   |
|                                                                                     | AM 136246                         | 24v 2,1kw     | ⇒    | 2100 | 24MD 22 TVR*<br>30902188<br>3098223                              |
|                                                                                     | note : * = by 136246 ø shaft 15mm |               |      |      |                                                                  |

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|                                                                                     | code       | nominal power | rot. | rpm  | o.e.m # replacement                                                                                                           |
|-------------------------------------------------------------------------------------|------------|---------------|------|------|-------------------------------------------------------------------------------------------------------------------------------|
|    | AM 102112  | 24v 2,0kw     | ⇒    | 2100 | 1 517 220 533 / 557<br>11.216.203 IM0135                                                                                      |
|                                                                                     | AM 102124  | 36v 2,0kw     | ⇒    | 2100 | 1 517 220 523<br>0 136 355 038 / 061<br>VOLVO 244306<br>DAF 609391                                                            |
|                                                                                     | AM 102148  | 48v 2,0kw     | ⇒    | 2100 | 1 517 220 502<br>note : flange GR2 60 x 60                                                                                    |
|    | AM 100101  | 12v 1,5kw     | ⇒    | 2300 | 11.212.228<br>AMJ 5517<br>EP 107                                                                                              |
|                                                                                     | AM 100103  | 24v 2,0kw     | ⇒    | 2200 | 11.212.229<br>AMJ 5518<br>1 517 220 528<br>note : flange GR1 40 x 40                                                          |
|   | AM 100104  | 24v 2,1kw     | ⇒    | 2200 | 0.136.353.011<br>1.517.220.528<br>1.517.220.529<br>11.212.628<br>IM 0035 AMJ5221<br>JUNGHEINRICH<br>note : flange GR1 40 x 40 |
|  | AM 100001  | 24v 0,5kw     | ⇒    | 2300 | SE 001                                                                                                                        |
|                                                                                     | AM 100003  | 48v 0,5kw     | ⇒    | 2000 | SE 003                                                                                                                        |
|                                                                                     | AM 100005  | 80v 0,5kw     | ⇒    | 2300 | P112/0,5<br>STILL<br>note : flange GR1 40 x 40                                                                                |
|  | AM 100001P | 24v 0,5kw     | ⇒    | 2300 | SE 001<br>Pump Gr1                                                                                                            |
|                                                                                     | AM 100003P | 48v 0,5kw     | ⇒    | 2000 | SE 003<br>Pump Gr1                                                                                                            |
|                                                                                     | AM 100005P | 80v 0,5kw     | ⇒    | 2300 | P112/0,5 STILL<br>Pump Gr1<br>note : flange GR1 40 x 40                                                                       |

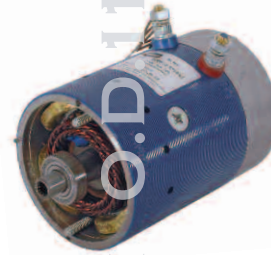
up-to-date : 15-08-2018

|                                                                                     | code       | nominal power             | rot. | rpm                    | o.e.m # replacement                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------|------------|---------------------------|------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | AM 100030  | 80v 0,7kw                 | ⇒    | 1350                   | 50019627,50019888,<br>50019958,50040966,<br>50118301,148452,<br>1430330, 0363036,<br>0363374, 696087,<br>0524241,4309465,<br>0377148452,<br>3793377, 4309466,<br>4309465,<br>P112/0,5K - 694/511,<br>P112/0,5K - 714/645,<br>P112/0,7K - 542/533 |
|                                                                                     |            | note : flange GR1 40 x 40 |      |                        |                                                                                                                                                                                                                                                  |
|    | AM 100030P | 80v 0,7kw                 | ⇒    | 1350                   | 50019627,50019888,<br>50019958,50040966,<br>50118301,148452,<br>1430330, 0363036,<br>0363374, 696087,<br>0524241,4309465,<br>0377148452,<br>3793377, 4309466,<br>4309465,<br>P112/0,5K - 694/511,<br>P112/0,5K - 714/645,<br>P112/0,7K - 542/533 |
|                                                                                     |            | note : flange GR1 40 x 40 |      |                        |                                                                                                                                                                                                                                                  |
|   | AM 100031  | 48v 0,7kw                 | ⇒    | 1350                   | 4308579, 3068582,<br>3793375, 50025879,<br>908-010-0008<br>P1120,5K-693521,<br>P112/0,7K-519512<br>5782662,<br>9080100008,                                                                                                                       |
|  | AM 100031P | 48v 0,7kw                 | ⇒    | 1350                   | 4308579, 3068582,<br>3793375, 50025879,<br>908-010-0008<br>P1120,5K-693521,<br>P112/0,7K-519512<br>5782662,<br>9080100008,                                                                                                                       |
|  | AM 100024  | 48v 1,1kw                 | ⇒    | 2500                   | 50021307<br>D112/1,1RK<br>LANSING                                                                                                                                                                                                                |
|                                                                                     | AM 100028  | 80v 1,1kw                 | ⇒    | 2400                   | 50025308 <sup>w</sup><br>D112/1,1 RK<br>LINDE                                                                                                                                                                                                    |
|                                                                                     |            | note : flange GR1 40 x 40 |      | w = with wear detector |                                                                                                                                                                                                                                                  |

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|                                                                                     | code                               | nominal power     | rot. | rpm  | o.e.m # replacement                              |
|-------------------------------------------------------------------------------------|------------------------------------|-------------------|------|------|--------------------------------------------------|
|    | AM 136122                          | 12v 2,0kw         | ⇒    | 2500 | 12MB 22 TWA <sup>T</sup>                         |
|                                                                                     | AM 136242                          | 24v 2,0kw         | ⇒    | 2600 | 24MB 22 TWA <sup>T</sup><br>24MB 22 XWA          |
|                                                                                     | AM 136248                          | 48v 2,0kw         | ⇒    | 2300 | 48MB 42 TWA <sup>T</sup>                         |
|                                                                                     | AM 136272                          | 72v 1,1kw         | ⇒    | 2500 | EC 1,1/7,2/25 <sup>T</sup>                       |
|                                                                                     | note : T = thermal protection 110° |                   |      |      |                                                  |
|    | AM 136249                          | 48v 0,7Kw         | ⇒    | 2100 | 48MB82 LX-WA<br>BT 1002204                       |
|   | AM 137122                          | 12v 2,2kw         | ⇒    | 2300 | 12MB 22 TWA <sup>T</sup><br>HEAVY DUTY VERSION   |
|                                                                                     | AM 137242                          | 24v 2,5kw         | ⇒    | 2300 | 24MB 22 TWA <sup>T</sup><br>HEAVY DUTY VERSION   |
|                                                                                     | AM 137248                          | 48v 2,1kw         | ⇒    | 2100 | 48MB22 TWA-LX <sup>T</sup><br>HEAVY DUTY VERSION |
|  | AM 137657                          | UNDER DEVELOPPING |      |      |                                                  |
|                                                                                     | AM 137659                          |                   |      |      |                                                  |
|  | AM 136128                          | 12v 2,0kw         | ⇐    | 2400 | 12MD 12TWA <sup>T</sup><br>ZEPRO                 |
|                                                                                     | AM 136126                          | 24v 2,2           | ⇐    | 2300 | 24MD 22 TWA <sup>T</sup><br>ZEPRO                |
|                                                                                     | AM 136127                          | 24v 2,0           | ⇐    | 2100 | 24MD 22 WA<br>135457 3                           |

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|                                                                                     | code                                                                                | nominal power |       | rot. | rpm  | o.e.m # replacement                    |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------|-------|------|------|----------------------------------------|--|
|    | AM 137617                                                                           | 12v           | 1,6kw | ⇐    | 2500 | 220 1117<br>Haldex<br>IM 0304          |  |
|                                                                                     | note : internal Hex. 5/16 slot shaft                                                |               |       |      |      |                                        |  |
|    | AM 136245                                                                           | 12v           | 1,6Kw | ⇐    | 2000 | 12MD22TWAZ                             |  |
|                                                                                     | AM 136247                                                                           | 24v           | 2,0Kw | ⇐    | 2000 | 24MD22TWAZ<br>ZEPRO                    |  |
|                                                                                     | note : splined shaft                                                                |               |       |      |      |                                        |  |
|   | AM 136257                                                                           | 24v           | 2,0Kw | ⇐    | 2000 | 24MD22LSTWBA                           |  |
|                                                                                     | note : splined shaft                                                                |               |       |      |      |                                        |  |
|  | AM 600032                                                                           | 12v           | 2,0kw | ⇐    | 2300 | 109.523 / 589 <sup>s</sup><br>47042004 |  |
|                                                                                     | AM 600033                                                                           | 24v           | 2,1kw | ⇐    | 2300 | 109.524 / 571 <sup>s</sup><br>47042003 |  |
|                                                                                     | AM 600037                                                                           | 24v           | 2,1kw | ⇒    | 2100 | 109.526<br>47044610<br>TM 4320         |  |
|                                                                                     | note : s = with solenoid switch                                                     |               |       |      |      |                                        |  |
|  | AM 600038                                                                           | 12v           | 2,2kw | ⇐    | 2600 | replacement for 109.523                |  |
|                                                                                     | AM 600039                                                                           | 24v           | 2,5kw | ⇐    | 2400 | replacement for 109.524                |  |
|                                                                                     |  |               |       |      |      |                                        |  |
|                                                                                     | note : s = with solenoid switch    τ = thermal protection 110°                      |               |       |      |      |                                        |  |

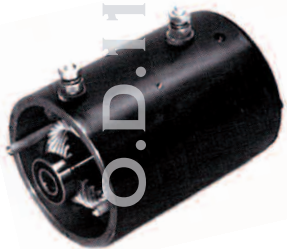
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|                                                                                     | code                                                                                                                                                                                                                                                                      | nominal power | rot. | rpm  | o.e.m # replacement                                                      |  |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------|------|--------------------------------------------------------------------------|--|
|    | <b>AM 404048</b>                                                                                                                                                                                                                                                          | 12v 1,5kw     | ⇒    | 0000 | 1175AC 1185AC<br>1785AC 1787AC<br>1931AC 2578AC<br>MUE 6114 S<br>MF4114  |  |
|                                                                                     | <b>AM 404050</b>                                                                                                                                                                                                                                                          | 24v 2,0kw     | ⇒    | 0000 | 1791AC 1793AC<br>MF4110                                                  |  |
|                                                                                     | <i>suitable :</i><br>FENNER STONE      WEST AMERICA      N.F.P.<br>FENNER FLUID POWER      LEYMAN      W.M.S.<br>note : shaft with 9 splines                                                                                                                              |               |      |      |                                                                          |  |
|    | <b>AM 460758</b>                                                                                                                                                                                                                                                          | 12v 1,7kw     | ⇒    | 2750 | 11 212 981<br>11 216 099<br>AMJ 4739<br>15829 15841 15869<br>74-23-10758 |  |
|   | <b>AM 464058</b>                                                                                                                                                                                                                                                          | 12v 1,5kw     | ⇐    | 0000 | MUE 6202 S<br>F 000 MM0 001                                              |  |
|                                                                                     | <i>interchangeable with:</i><br>MUE 7003 S      MUE 6001 S      MDY 5057<br>MDY 6104 XP      MDY 7043      MHN 4001 A<br>MHA 6001 S      MUE 7004      MUE 7005 S<br><br><i>suitable :</i><br>J.S. BARNES      MONARCH HYDRAULICS<br>MTE HYDRAULICS      CESNA INDUSTRIES |               |      |      |                                                                          |  |
|  | <b>AM 464154</b>                                                                                                                                                                                                                                                          | 12v 1,5kw     | ⇐    | 0000 | MMY 6101 A                                                               |  |
|                                                                                     | <i>interchangeable with:</i><br>MMY 4001 A      MMY 4004<br>MMY 4004S<br><br><i>suitable :</i><br>MONARCH HYDRAULICS<br>MTE HYDRAULICS                                                                                                                                    |               |      |      |                                                                          |  |
|  | <b>AM 137760</b>                                                                                                                                                                                                                                                          |               |      |      |                                                                          |  |

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|                                                                                     | code       | nominal power                           |         | rot. | rpm  | o.e.m # replacement                                                                          |
|-------------------------------------------------------------------------------------|------------|-----------------------------------------|---------|------|------|----------------------------------------------------------------------------------------------|
|    | AM 4000068 | 70v                                     | 1,0kw   | ⇐    | 2800 | TAP 114L<br>101393<br>14510-F1030-71<br>Toyota                                               |
|    | AM 400114  | 70v                                     | 1,15kw  | ⇐    | 2800 | TAP 114L<br>14510-F1031-71<br>14510-F1090-71<br>PV8 14126058<br>Toyota                       |
|   | AM 460335  | 24v                                     | 3,0kw   | ⇒    | 3600 | D562202X8912<br>D56227SX8375<br>39299321<br>562202X8912<br>C4D34D89A<br>2201034<br>W4BD-0355 |
|                                                                                     |            | note : slotted shaft                    |         |      |      |                                                                                              |
|  | AM 462718  | 24v                                     | 0,750kw | ⇐    | 3000 | 4BB02718<br>Imperial Electric<br>Scott                                                       |
|                                                                                     |            | note : delivered with pump and solenoid |         |      |      |                                                                                              |
|  | AM 4000386 | 48v                                     | 0,85kw  | ⇐    | 2000 | MBT 1141L<br>030186                                                                          |
|                                                                                     | AM 4000066 | 80v                                     | 1,3kw   | ⇐    | 2000 | MBT 1141L<br>130266                                                                          |

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|                                                                                   | code             | nominal power                                                                                                                                                                                          | rot. | rpm  | o.e.m # replacement         |
|-----------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----------------------------|
|  | <b>AM 463938</b> | 12v 1,5kw                                                                                                                                                                                              | ⇒    | 2400 | MUE 6111 S                  |
|                                                                                   |                  | <i>interchangeable with:</i><br>46-3938 MUE 6103 MUE 6111<br>M3000 MUE 7001<br><br><i>suitable :</i><br>J.S. BARNES STEVE'S D.C. MOTORS<br>BOSCH BRAZIL                                                |      |      |                             |
|  | <b>AM 460949</b> | 12v 2,0kw                                                                                                                                                                                              | ⇐    | 2300 | MHN 4002 S<br>F 000 MM0 003 |
|                                                                                   |                  | <i>interchangeable with:</i><br>46-0949 MHN 4002 33-11069<br>MHN 4002 A 992312<br>08079 08117 61127<br><br><i>suitable :</i><br>MONARCH HYDRAULICS CLARK EQUIPMENT<br>PLYMOUTH LOCOMOTIVE BOSCH BRAZIL |      |      |                             |