



Specification	<b>IEC 60034-1</b>
Manufacturer	<b>DM Motors Denmark A/S</b>
Motor type	<b>DM1- 180 M4</b>
Rated power	<b>18,50 kW S1</b> duty
Speed	<b>1465</b> r.p.m
Voltage	<b>400 / 690</b> V
Frequency	<b>50</b> Hz
Connection	<b>Δ / Y</b>
Amps full load	<b>33,9 / 19,6</b> A
Amps no-load(400V)	<b>13,30</b> A
Enclosure	<b>IP 55</b>
Insulation Class	<b>F (temp. rise B (80 K))</b>
Max. coolant temp.	<b>40°C</b>
Max. altitude	<b>1.000</b> mtr, above sea level
Comment	<b>3 x PTC 150°C</b>
Cable entries	<b>2 x M40x1,5 + 1 x M20x1,5 (ptc)</b>
Feature	<b>Cast-iron motor</b>
Weight	<b>167</b> kg
Catalog no.	<b>11134A18D</b>
Warranty	<b>12~18 months</b>

Efficiency class	<b>IE1</b>				
Load data	100%	75%	50%	25%	%
Efficiency	<b>90,9</b>	<b>91,0</b>	<b>89,9</b>	<b>84,5</b>	
Power factor	<b>0,87</b>	<b>0,82</b>	<b>0,72</b>	<b>0,50</b>	
Sound pressure level (1m)	<b>65,8</b>				dB(A)
Resistance R20 (open)	<b>0,494</b>				Ω
Resistance R20	<b>Δ 0,329</b>				Ω
Full load torque	<b>120,6</b>				Nm
DOL Starting torque vs FL torque	<b>2,26</b>				
DOL Pull up torque vs FL torque	<b>1,62</b>				
DOL Pull out torque vs FL torque	<b>3,15</b>				
Star-Delta Starting torque vs FL torque	<b>0,71</b>				
Star-Delta Pull up torque vs FL torque	<b>0,51</b>				
Star-Delta Pull out torque vs FL torque	<b>0,98</b>				
DOL Starting current vs FL current	<b>7,43</b>				
Star Delta Starting current vs FL current	<b>2,32</b>				
Rotor Inertia	<b>0,1350</b>				kgm <sup>2</sup>
Bearing DE	<b>6311 - ZZ C3</b>				
Bearing NDE	<b>6311 - ZZ C3</b>				


WI	Change	date	sign.
<b>DM Motors Denmark A/S</b>		Discription	date
Hopballevej 60		Drawing made by :	01-01-15
7100 Vejle			RD
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