



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

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

WI	Change	date	sign.
DM Motors Denmark A/S		Discription	date
Hopballevej 60		Drawing made by :	01-01-15
7100 Vejle			RD
Tel : +45 70 27 13 10		info@dmmotors.dk	
Fax : +45 70 27 13 19		www.dmmotors.dk	