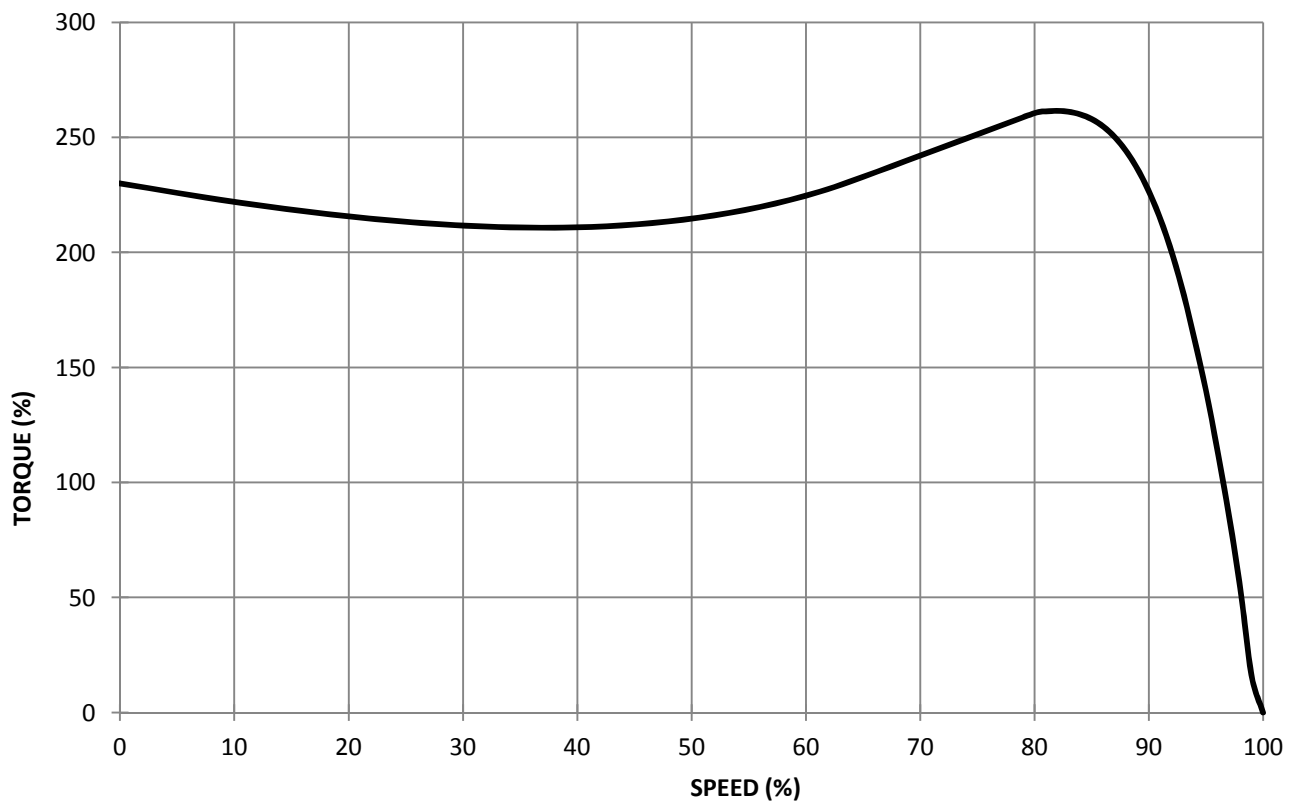




**DATA SHEET:  
INDUCTION MOTOR**

**Motor Type  
2HE2 186-04**

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		180L	Protection IS:4691		IP 55	
Rated Output	kW	22.00	Vibration Standard		IS:12075	
	HP	30.00	Noise Standard		IS:12065	
No. of Poles		4	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	40.0	Terminal Box Details	Type	HM4GN
Rated Speed		rpm	1460		Terminal Size	M6
Rated Torque		kgm	14.68		No. of Terminal	6
Efficiency	Full load	%	91.6	Bearing Data	Max. cable size (Cu)	mm <sup>2</sup> 2x3Cx25.0
	3/4 load	%	91.6		DE	6310ZZ
	1/2 load	%	90.5		NDE	6210ZZ
Power factor	Full load		0.84	Lubrication	Prelubricated	
	3/4 load		0.80	Life L10 (Direct Coupled)	hrs. 50,000	
	1/2 load		0.74	Regreasing Time	hrs. -	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M12
Acceleration Time		sec.	-	Motor Weight (approx)		kg 172.0
Stator Connection			D	Rotor GD <sup>2</sup>		kgm <sup>2</sup> 0.3790
Tropicalised? (Yes / No)			Yes	Ambient Temp.		°C 50
I <sub>st</sub> / I <sub>r</sub>			7.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T <sub>st</sub> / T <sub>r</sub>			2.3			
T <sub>po</sub> / T <sub>r</sub>			2.6	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec.	7	Frequency Variation ±		% 5
	Cold	sec.	15	Combiend Variation ±		% 10
Remarks: (1) Efficiency Class : IE2 (2) Motor Construction : TEFC						
Data subject to tolerance as per IEC 60034-1						
Prep.: Engg		Chkd.:				
Date:		Date:				



LOAD-EFFICIENCY-POWER FACTOR CURVE

