



**DATA SHEET:
INDUCTION MOTOR**

**Motor Type
2HE2 090-04**

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		90S	Protection IS:4691		IP 55	
Rated Output	kW	1.10	Vibration Standard		IS:12075	
	HP	1.50	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	2.4	Terminal Box Details	Type	HM2GN
Rated Speed		rpm	1430		Terminal Size	M4
Rated Torque		kgm	0.75		No. of Terminal	6
Efficiency	Full load	%	81.4	Bearing Data	Max. cable size (Cu)	mm ² 1x3Cx4.0
	3/4 load	%	81.4		DE	6205ZZ
	1/2 load	%	80.0		NDE	6205ZZ
Power factor	Full load		0.78	Lubrication	Prelubricated	
	3/4 load		0.73	Life L10 (Direct Coupled)	hrs. 50,000	
	1/2 load		0.65	Regreasing Time	hrs. -	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		-
Acceleration Time		sec.	-	Motor Weight (approx)	kg	20.0
Stator Connection			Y	Rotor GD ²	kgm ²	0.0093
Tropicalised? (Yes / No)			Yes	Ambient Temp.	°C	50
I _{st} / I _r			6.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r			2.5			
T _{po} / T _r			3.0	Voltage Variation ±	%	10
Locked rotor withstand time	Hot	sec.	6	Frequency Variation ±	%	5
	Cold	sec.	14	Combiend Variation ±	%	10

Remarks: (1) Efficiency Class : IE2
(2) Motor Construction : TEFC

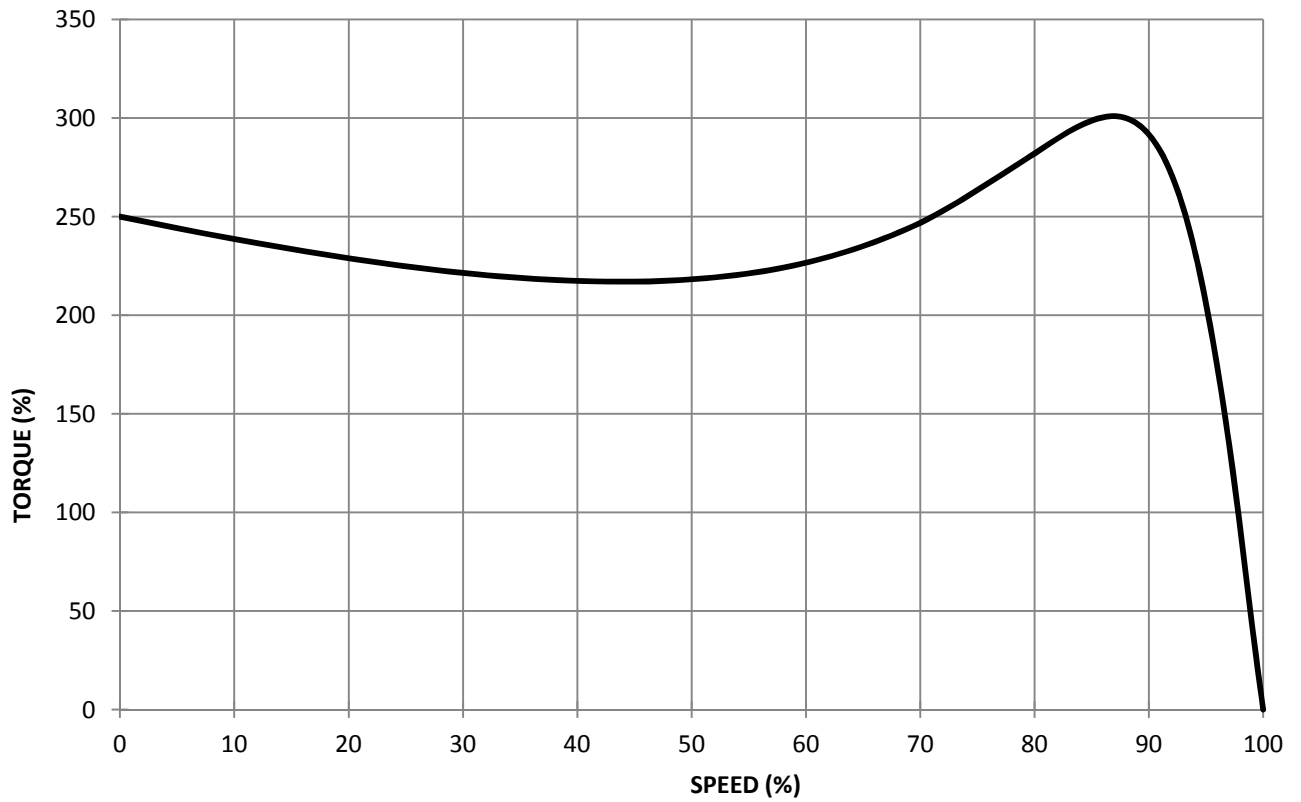
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

EP2 090-04

