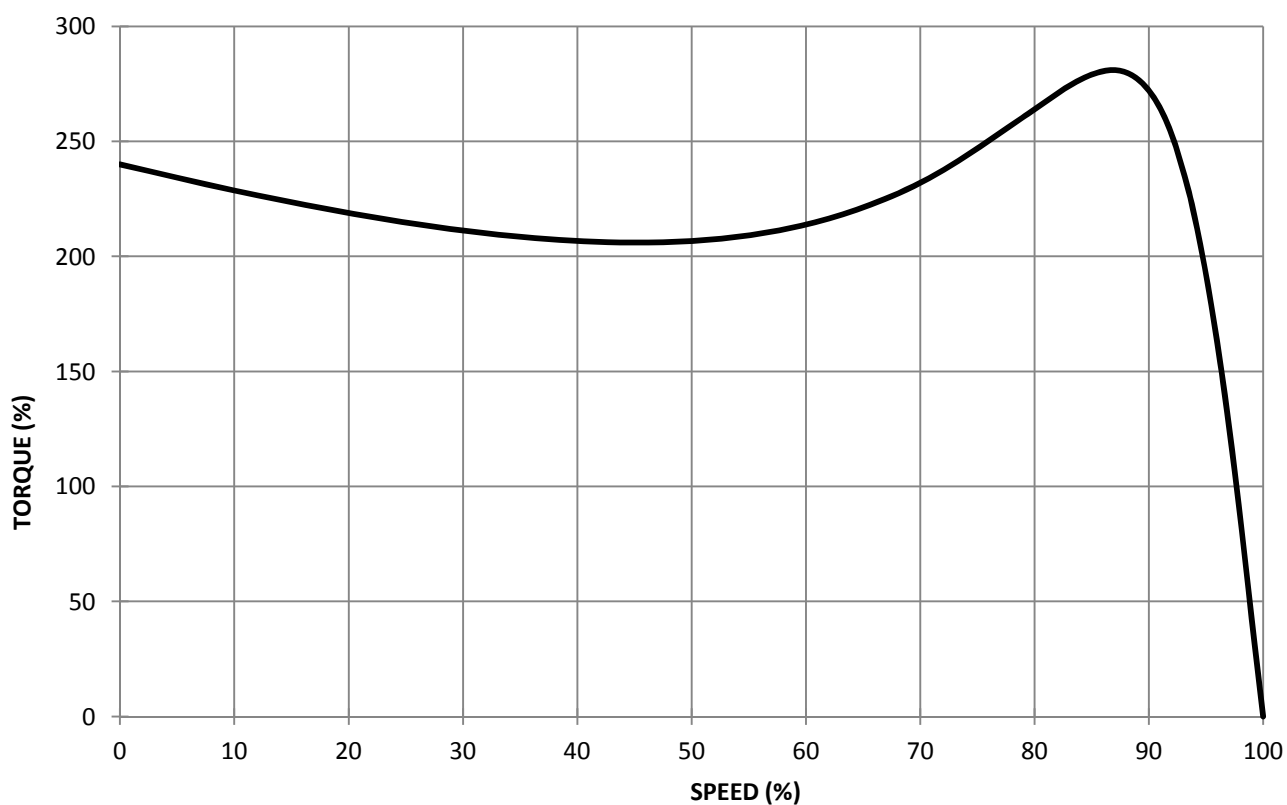


			DATA SHEET: INDUCTION MOTOR			Motor Type 2HE2 090-02		
No. of Phases				3	Reference Standard			IS:12615
Frame Designation				90S	Protection IS:4691			IP 55
Rated Output		kW	1.50	Vibration Standard			IS:12075	
		HP	2.00	Noise Standard			IS:12065	
No. of Poles				2	Duty			S1
Rated Voltage		V	415	Insulation Class			F	
Rated Frequency		Hz	50	Cooling IS:6362			IC411	
Rated Current		A	3.2	Terminal Box Details	Type		HM2GN	
Rated Speed		rpm	2880		Terminal Size		M4	
Rated Torque		kgm	0.51		No. of Terminal		6	
Efficiency	Full load	%	81.3		Max. cable size (Cu) mm²		1x3Cx4.0	
	3/4 load	%	81.3	Bearing Data	DE		6205ZZ	
	1/2 load	%	77.0		NDE		6205ZZ	
Power factor	Full load		0.80		Lubrication		Prelubricated	
	3/4 load		0.77		Life L10 (Direct Coupled) hrs.		50,000	
	1/2 load		0.73	Regreasing Time hrs.		-		
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt			-	
Acceleration Time		sec.	-	Motor Weight (approx) kg			19.0	
Stator Connection			Y	Rotor GD² kgm²			0.0072	
Tropicalised? (Yes / No)			Yes	Ambient Temp. °C			50	
I _{st} / I _r			6.5	Overall Dimensions of Packed motor (LxBxH) (mm) -				
T _{st} / T _r			2.4					
T _{po} / T _r			2.8	Voltage Variation ± %		10		
Locked rotor withstand time	Hot	sec.	4	Frequency Variation ± %		5		
	Cold	sec.	10	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 090-02

