

DATA SHEET

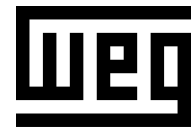


Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 IE3 Three-Phase		Product code : 12862487				
Frame	: 132S	Locked rotor time	: 21s (cold) 12s (hot)			
Output	: 5.5 kW	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: S1			
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 400/690 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 10.4/6.03 A	Protection degree	: IP55			
L. R. Amperes	: 86.3/50.0 A	Cooling method	: IC411 - TEFC			
LRC	: 8.3	Mounting	: B3T			
No load current	: 4.52/2.62 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1460 rpm	Noise level ²	: 56.0 dB(A)			
Slip	: 2.67 %	Starting method	: Direct On Line			
Rated torque	: 3.67 kgfm	Approx. weight ³	: 66.5 kg			
Locked rotor torque	: 210 %					
Breakdown torque	: 330 %					
Insulation class	: F					
Service factor	: 1.00					
Moment of inertia (J)	: 0.0491 kgm ²					
Design	: N					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	89.0	89.6	89.7	Max. traction	: 185 kgf	
Power Factor	0.69	0.80	0.85	Max. compression	: 252 kgf	
		<u>Drive end</u>	<u>Non drive end</u>			
Bearing type	:	6308 ZZ	6207 ZZ			
Sealing	:	V'Ring	V'Ring			
Lubrication interval	:	-	-			
Lubricant amount	:	-	-			
Lubricant type	:	Mobil Polyrex EM				
Notes						
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.			
Rev.	Changes Summary			Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	27/06/2019				1 / 2	

VFD OPERATION CURVE

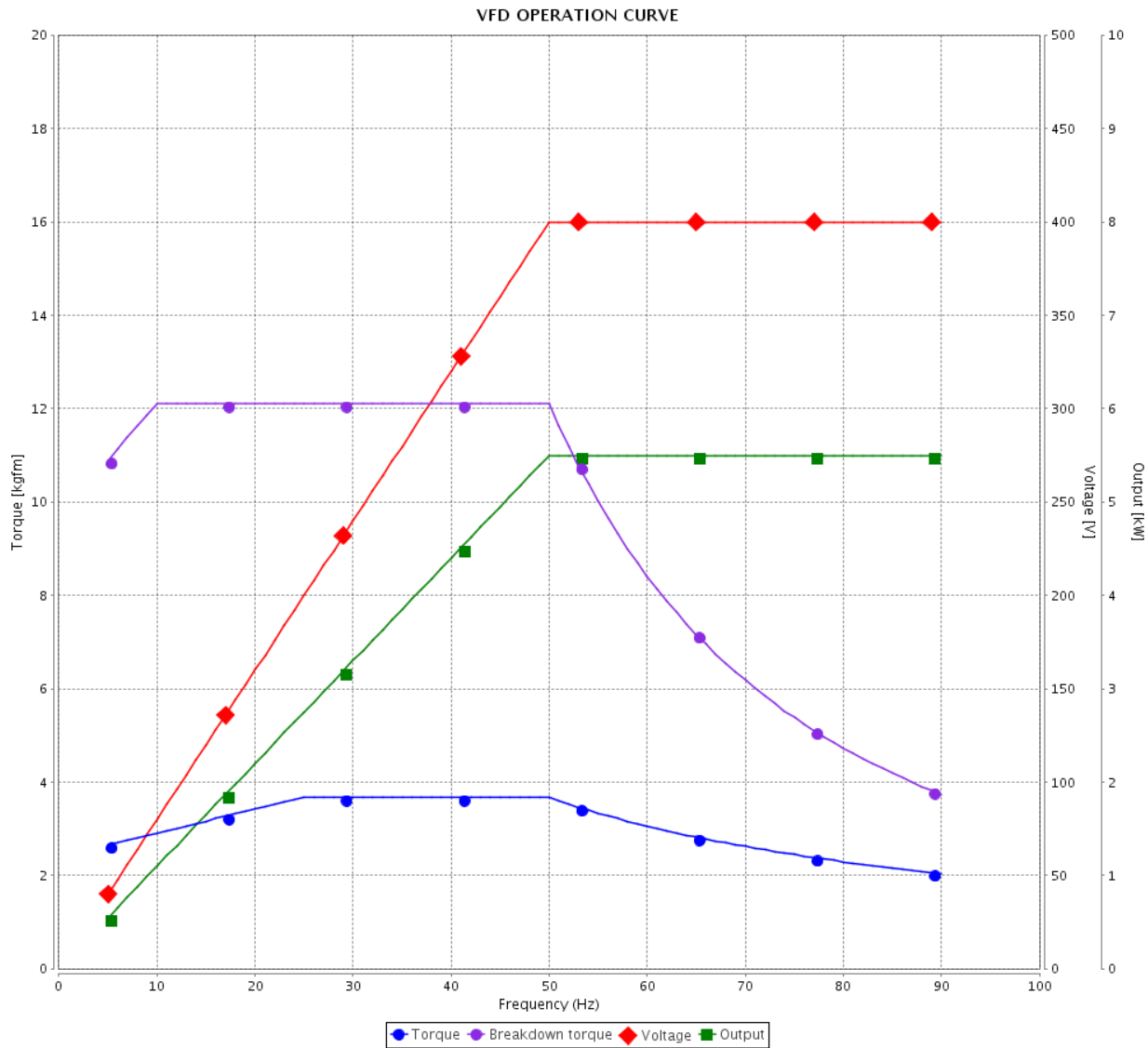
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 IE3 Three-Phase

Product code : 12862487



Performance : 400/690 V 50 Hz 4P

Rated current : 10.4/6.03 A
 LRC : 8.3
 Rated torque : 3.67 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 330 %
 Rated speed : 1460 rpm

Moment of inertia (J) : 0.0491 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	27/06/2019			