

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: IDS		
Product line		: W22 IE3 Three-Phase		Product code : 12862707
Frame	: 132M/L	Locked rotor time	: 46s (cold) 26s (hot)	
Output	: 5.5 kW	Temperature rise	: 80 K	
Poles	: 6	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	: 12.9/7.48 A	Protection degree	: IP55	
L. R. Amperes	: 94.2/54.6 A	Cooling method	: IC411 - TEFC	
LRC	: 7.3	Mounting	: B3T	
No load current	: 7.60/4.41 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 970 rpm	Noise level ²	: 53.0 dB(A)	
Slip	: 3.00 %	Starting method	: Direct On Line	
Rated torque	: 5.52 kgfm	Approx. weight ³	: 85.0 kg	
Locked rotor torque	: 260 %			
Breakdown torque	: 280 %			
Insulation class	: F			
Service factor	: 1.00			
Moment of inertia (J)	: 0.0755 kgm ²			
Design	: N			
Output	25%	50%	75%	100%
Efficiency (%)	0.000	86.5	88.0	88.0
Power Factor	0.00	0.50	0.64	0.70
Foundation loads				
Max. traction		: 219 kgf		
Max. compression		: 304 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
Performed by				
Checked by			Page	Revision
Date	27/06/2019		1 / 2	

VFD OPERATION CURVE

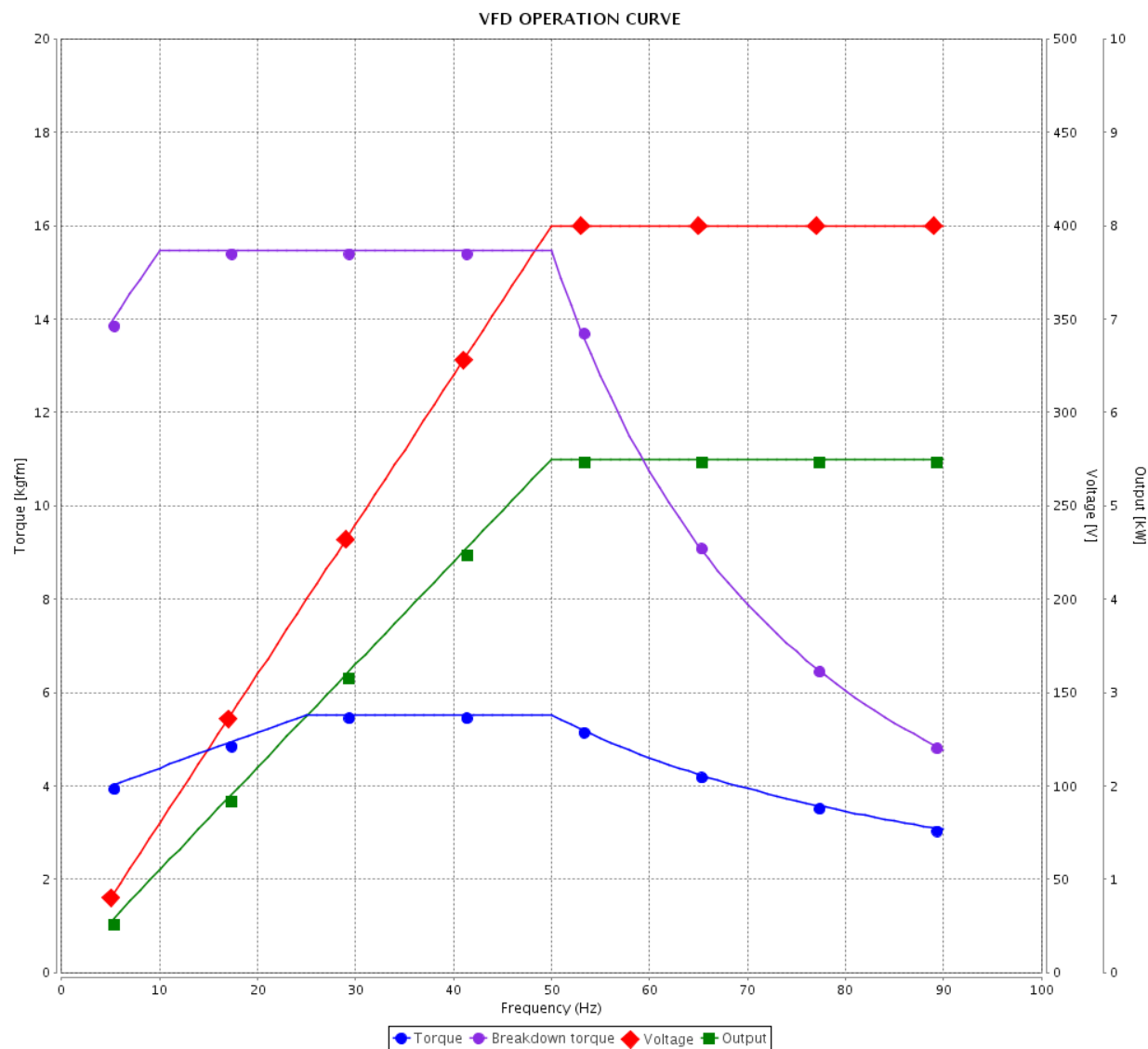
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 12862707



Performance : 400/690 V 50 Hz 6P

Rated current : 12.9/7.48 A
 LRC : 7.3
 Rated torque : 5.52 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 280 %
 Rated speed : 970 rpm

Moment of inertia (J) : 0.0755 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	Revision
Checked by				2 / 2	
Date					