

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: IDS	
Product line		: W22 IE3 Three-Phase	Product code : 13095200
Frame	: 112M	Locked rotor time	: 46s (cold) 26s (hot)
Output	: 2.2 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	: 5.22/3.03 A	Protection degree	: IP55
L. R. Amperes	: 31.3/18.2 A	Cooling method	: IC411 - TEFC
LRC	: 6.0	Mounting	: B5T
No load current	: 2.90/1.68 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 960 rpm	Noise level ²	: 49.0 dB(A)
Slip	: 4.00 %	Starting method	: Direct On Line
Rated torque	: 2.23 kgfm	Approx. weight ³	: 47.0 kg
Locked rotor torque	: 250 %		
Breakdown torque	: 260 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0257 kgm ²		
Design	: N		
Output	50%	75%	100%
Efficiency (%)	83.0	84.5	84.5
Power Factor	0.53	0.64	0.72
Foundation loads			
Max. traction		: 108 kgf	
Max. compression		: 155 kgf	
<div> <div>Drive end</div> <div>Non drive end</div> </div>			
Bearing type	: 6207 ZZ	6206 ZZ	
Sealing	: Oil Seal	Oil Seal	
Lubrication interval	: -	-	
Lubricant amount	: -	-	
Lubricant type	Mobil Polyrex EM		
Notes			
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			
<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.</p>			
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VFD OPERATION CURVE

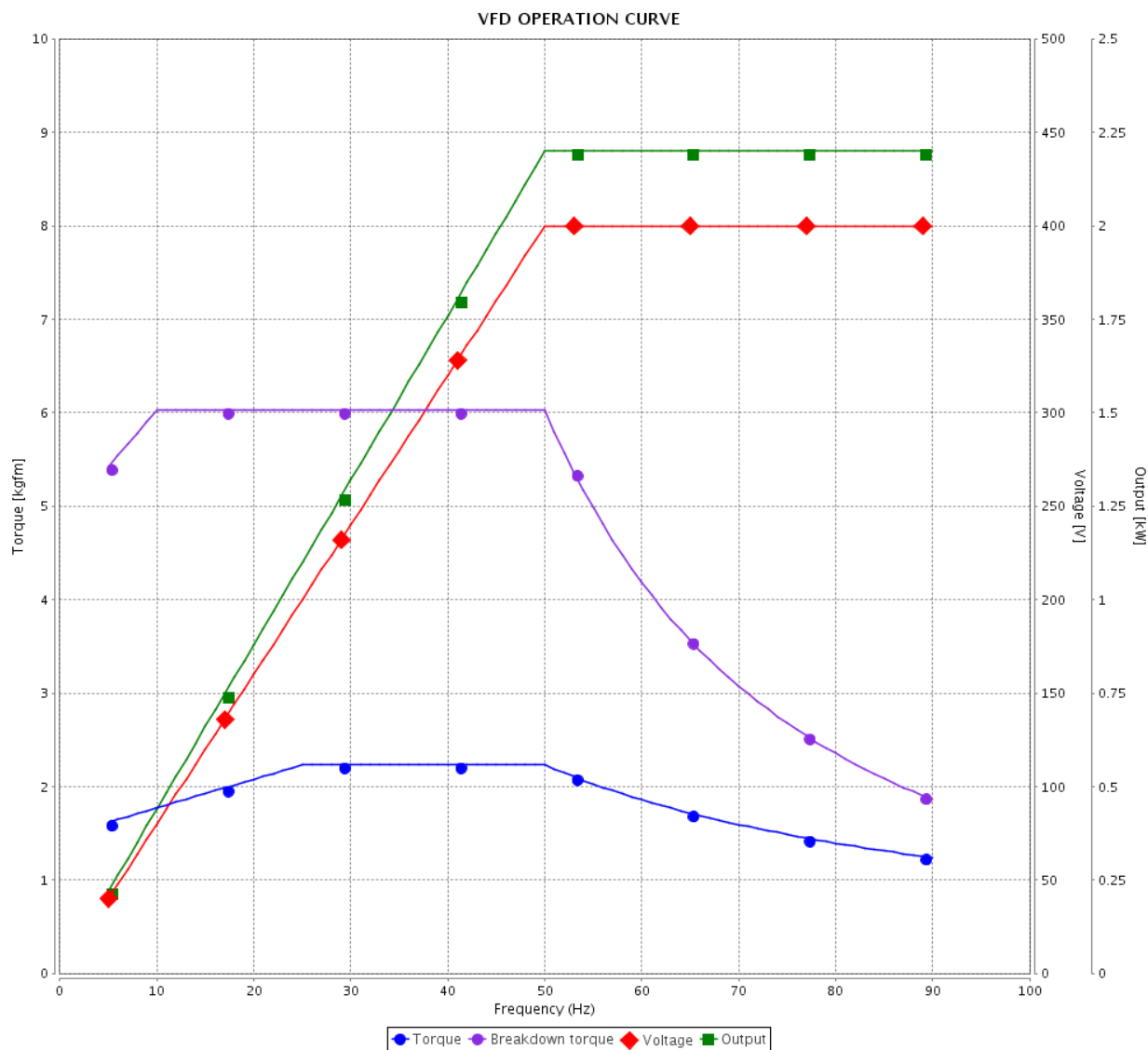
Three Phase Induction Motor - Squirrel Cage



Customer : IDS

Product line : W22 IE3 Three-Phase

Product code : 13095200



Performance : 400/690 V 50 Hz 6P

Rated current : 5.22/3.03 A
 LRC : 6.0
 Rated torque : 2.23 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 260 %
 Rated speed : 960 rpm

Moment of inertia (J) : 0.0257 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 80 K
 Design : N

Rev.	Changes Summary		Performed	Checked	Date
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