

# Motor Data Sheet

Supplied To.				Frame Ref. 10-TDA100L			
Item No. 100B240739				Output 3.00 kW		Volts 230	
Sales order / Line no.				Hertz 50		Amps 17.38	
Account No.				Rev/min 2800		Poles 2	
Load (kW)	3.00	-	-	Duty S1		Cooling Code IC411	
Efficiency	78.0	-	-				
Power Factor	0.95	-	-	Efficiency 78.0%		Connection Diagram LD902	
Amps (I <sub>a</sub> )	17.6	-	-				
Speed (rpm)	2800	-	-	Phase 1    Insulation F    cos Ø 0.95    IP 55			
N.L. amps	2.4	-	-				
Speed / Torque Curve				Noise pressure level at 1m on no load - dB(A)			
				DE bearing & oilseal 6206ZZ FACE SEAL			
				NDE bearing & oilseal 6206ZZ FACE SEAL			
				Lubrication grease Lithium			
				Lubrication DE - hrs - gms			
				Interval NDE - hrs - gms			
				Radial air gap - mm			
				Rotor inertia 0.0109 kgm/sq			
				Vibration levels less than 1.6 mm/sec			
				Shaft details Ø 28 x 60mm LONG EXT'N			
				T.Box entry 1 x CM25			
				Mounting FOOT, HORIZONTAL (IM1001) (B3)			
				Motor weight (Approx. net) 23.0 kg			
FLT (M <sub>n</sub> ) 10.2 Nm				L.R. Time hot - secs			
LRT (DOL) (M <sub>a</sub> /M <sub>n</sub> ) 1.7    FLT 17.4 Nm				L.R. Time cold - secs			
POT (M <sub>k</sub> /M <sub>n</sub> ) 1.6    FLT 16.4 Nm				A.R.T. 100% Volts 8.0 secs			
Speed / Current Curve				Allowable "start-seconds" per hour 20.0 secs			
				Winding Connection CAPACITOR START - CAPACITOR RUN			
				Maximum volts drop at start: 20%			
				Max. ambient temp. 40 °C			
				Thermal time constant 0.33 hrs			
				Direction of rotation CLOCKWISE AT DRIVE END			
				Winding thermistors fitted - °C			
				Winding thermostats fitted - °C			
				Anti condensation heaters - Volts			
				- Watts			
				Certifying Authority n/a			
Certificate No. n/a							
Marking n/a							
Capacitor detail: 500uF/250V & 50uF/450V							
Relay detail: RECS-240P							
LRC (DOL) (I <sub>a</sub> /I <sub>n</sub> ) 6.0    FLC 105.6 amps				Remarks			
NAMEPLATE ALSO STAMPED 3.6kW AT 276/1/60				-			
-				-			
-				-			