



MOTOR TYPE		D5C 280 S6
RATED OUTPUT	kW	45
EFFICIENCY CLASS		IE3
DUTY		S1
RATED VOLTAGE	V	400 Δ
RATED FREQUENCY	Hz	50
RATED CURRENT	A	82.5
RATED SPEED	rpm	985
MOUNTING	IM	HORIZONTAL
EXECUTION		TEFC
ATEX EXECUTION		Ex db IIB T4 Gb
PROTECTION DEGREE	IP	55
COOLING METHOD	IC	411
MOMENT OF INERTIA	kgm <sup>2</sup>	1.15
AMBIENT TEMPERATURE	°C	40
SITE ALTITUDE		1000
CLASSIFICATION		-
INSULATION CLASS		F
TEMPERATURE RISE		B
APPLICABLE STANDARDS		IEC 60034-1 - IEC 60079

			LOAD		
			4/4	3/4	2/4
EFFICIENCY		%	93.7%	93.6%	93.5%
POWER FACTOR			0.84		
TORQUE	FULL LOAD	Nm	436		
	LOCKED ROTOR (DOL)	p.u.	2.3		
	PULL-OUT (DOL)	p.u.	2.4		
LOCKED ROTOR CURRENT (DOL)		p.u.	6.7		
STARTING METHOD			DOL		
THERMAL PROTECTIONS	WINDINGS		3 PTC 155 °C		
	BEARINGS		-		
HEATING ELEMENTS		V / W	-		

**MECHANICAL DATA**

BEARING TYPE	D-end		ROLLING
	N-end		ROLLING
LUBRICATION			GREASE
DIRECTION of ROTATION			CW or CCW
NO LOAD NOISE		dB(A)	72
WEIGHT		kg	530
VIBRATION LEVEL			A
PAINTING			RAL 5010