



MarelliMotori
Inspired solutions

Our Reference: _____

Customer: **Idea Makina**

MOTOR TYPE		D5C 280 M4
RATED OUTPUT	kW	90
EFFICIENCY CLASS		IE3
DUTY		S1
RATED VOLTAGE	V	400 Δ
RATED FREQUENCY	Hz	50
RATED CURRENT	A	153.3
RATED SPEED	rpm	1480
MOUNTING	IM	HORIZONTAL
EXECUTION		TEFC
ATEX EXECUTION		Ex db IIB T4 Gb
PROTECTION DEGREE	IP	55
COOLING METHOD	IC	411
MOMENT OF INERTIA	kgm ²	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		%	95.2%	95.6%	95.5%
POWER FACTOR			0.89		
TORQUE	FULL LOAD	Nm	581		
	LOCKED ROTOR (DOL)	p.u.	2.5		
	PULL-OUT (DOL)	p.u.	2.5		
LOCKED ROTOR CURRENT (DOL)		p.u.	6.9		
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)	75
WEIGHT		kg	594
VIBRATION LEVEL			A
PAINTING			RAL 5010