

T20F-P

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3 PHASE

2 POLE

IP 23

CHARACTERISTICS

POWER 230/400 V at 3000 RPM - 50 Hz

Type	CL. H (ΔT=125°C)						CL. F (ΔT=105°C)		CL. H (ΔT=125°C)		T.H.D.
	THREE-PHASE		MOTOR STARTING CAPABILITY KVA	EFFICIENCY			THREE-PHASE		SINGLE-PHASE DELTA CONNECTION		
	KVA	KW COS φ 0,8		2/4 %	3/4 %	4/4 %	KVA	KW COS φ 0,8	KVA COS φ 1	MOTOR STARTING CAPABILITY KVA	
T20FS-130	10	8	40	78	82,1	81,5	9	7,2	6,5	25	< 5
T20FS-160	12,5	10	45	78,5	82,5	82	11,5	9,2	8,5	32	< 5
T20F-200	15	12	54	79.1	83.1	82.6	14	11.2	10	38	< 5

POWER 277/480 V at 3600 RPM - 60 Hz

Type	CL. H (ΔT=125°C)						CL. F (ΔT=105°C)		CL. H (ΔT=125°C)		T.H.D.
	THREE-PHASE		MOTOR STARTING CAPABILITY KVA	EFFICIENCY			THREE-PHASE		SINGLE-PHASE DELTA CONNECTION		
	KVA	KW COS φ 0,8		2/4 %	3/4 %	4/4 %	KVA	KW COS φ 0,8	KVA COS φ 1	MOTOR STARTING CAPABILITY KVA	
T20FS-130	12	9,6	48	79,5	83,5	83	10,8	8,6	7,8	30	< 5
T20FS-160	15	12	54	79,5	83,8	83,5	13,8	11	10,2	38	< 5
T20F-200	18	14.4	65	80.1	84.1	83.8	16.5	13.2	12	45	< 5

Type	J (Kgm ²)		Weight (Kg)			Air Volume (m ³ /min)		Noise dB(A)				COUPLING DISCS	
	B3/B14	B3/B9	B3/B14	B3/B9	MD35	50 Hz	60 Hz	50 Hz		60 Hz		SAE N°	J(kgm ²)*
								1m dBA	7m dBA	1m dBA	7m dBA		
T20FS-130	0,0241	0,0231	45,7	44,7	48,7	4,7	5,7	81	63	83	65	6 1/2	0,0082
T20FS-160	0,0288	0,0277	52,7	51,7	55,7							7 1/2	0,0098
T20F-200	0,0335	0,0323	60,5	59,5	63,5								

*The J value of form MD35 is obtained by summing the J of the B3/B14 form with the J of the chosen SAE coupling discs.

Type		TS20FS-130	TS20FS-160	T20F-200
Rating "H" class	kVA 50 Hz	10	12,5	15
Direct axis synchronous reactance	X _d %	403	381	322
Direct - axis transient reactance	X' _d %	45	43	38
Direct - axis subtransient reactance	X'' _d %	25,6	24,1	22,2
Quadrature - axis synchronous reactance	X _q %	125	115	105
Quadrature- axis transient reactance	X' _q %	125	115	105
Quadrature-axis subtransient reactance	X'' _q %	50,5	48,6	46,6
Negative - sequence reactance	X ₂ %	27,3	25,5	21,5
Zero sequence reactance	X ₀ %	10,1	9,6	8,2
Transient time constant	T' _d (ms)	54	51	43
Subtransient time constant	T'' _d (ms)	11	10	9
Armature time constant	T _α (ms)	6	7,5	9
Open circuit time constant	T' _{do} (s)	0,65	0,58	0,5
Short - circuit ratio	K _{cc}	0,63	0,53	0,61
Stator winding resistance	Ω	0,729	0,453	0,362

REGULATOR COMPOUND TRANS.	PARALLEL DEVICE	THERMAL PROTECTION			HEATERS	MECHANICAL PROTECTION		
		PTC	BIMET DEVICE.	PT100		IP21	IP23	IP45
●		☐	☐	☐	☐		●	☐

● = Standard

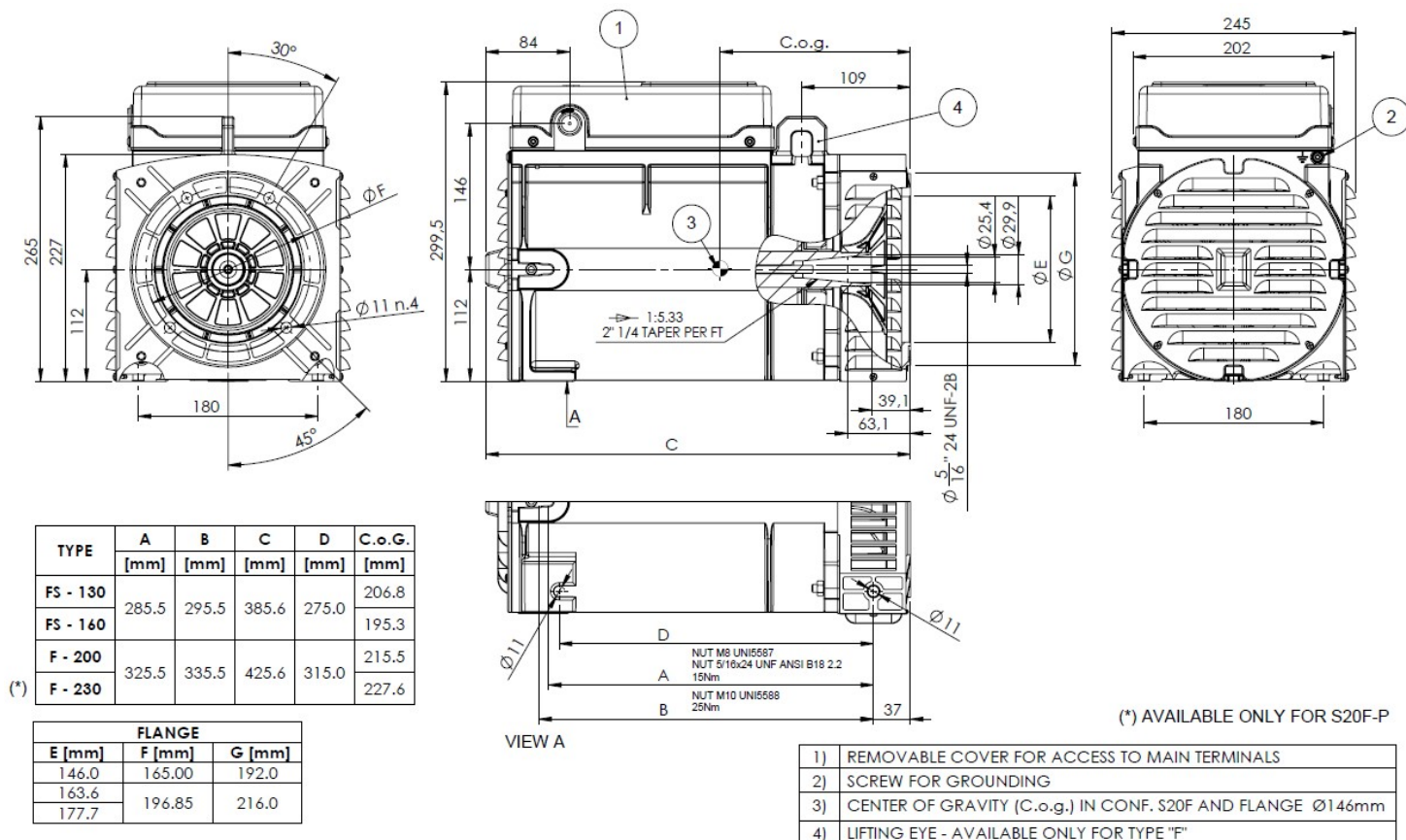
☐ = Optional



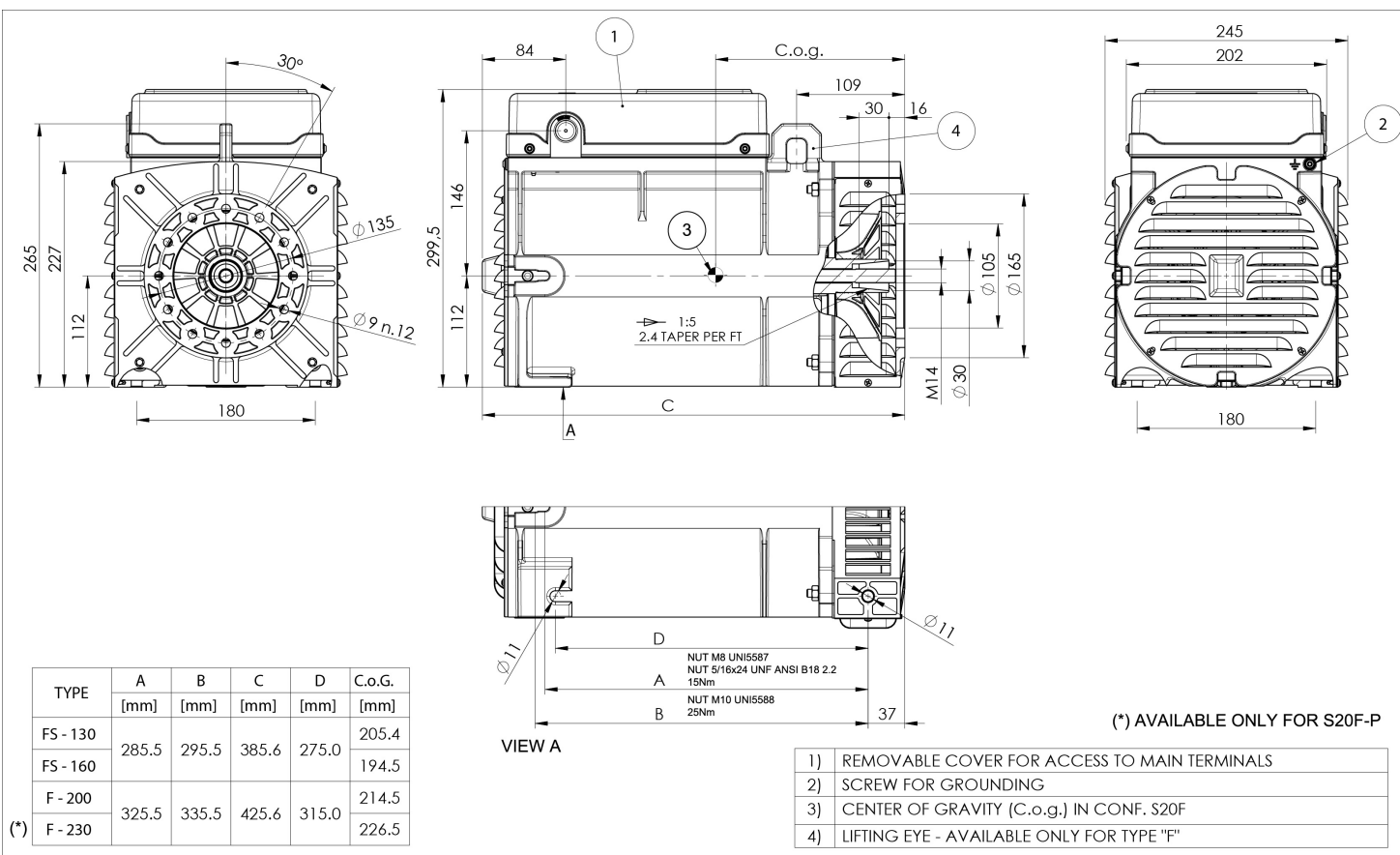
OVERALL SIZE, STANDARD TYPE

FORM B9/25.4

dimensions in mm.



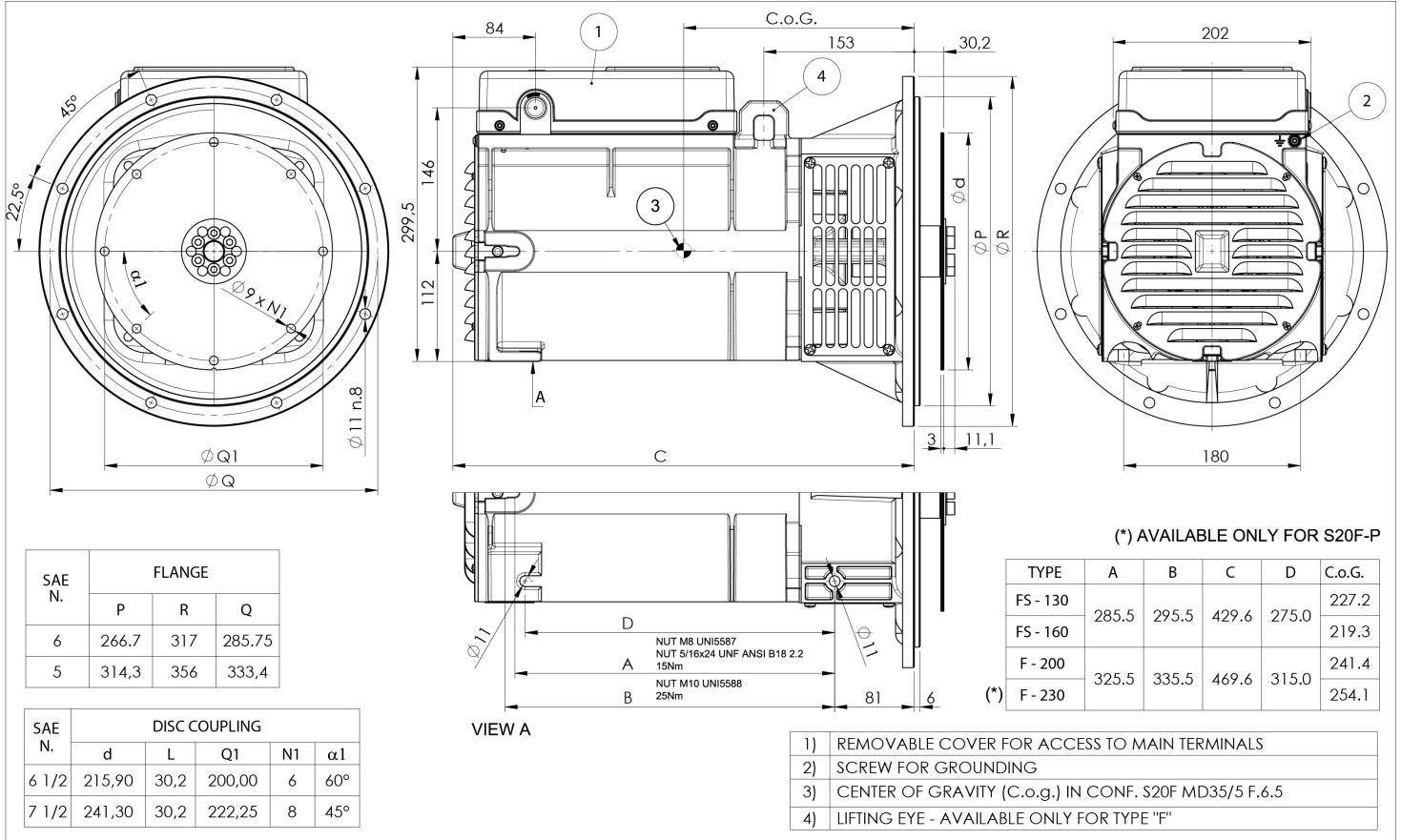
FORM B9/C30



OVERALL SIZE, STANDARD TYPE

FORM MD35

dimensions in mm.



FORM B34

