

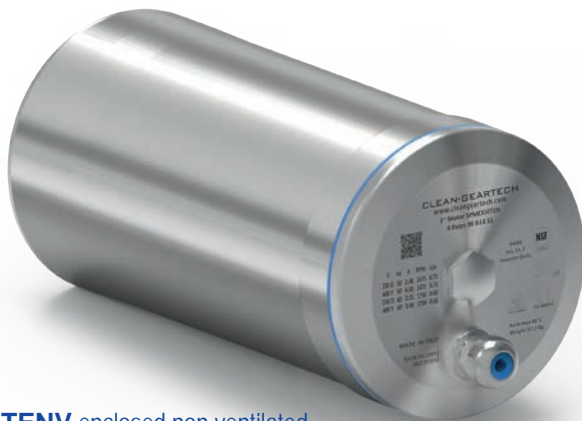
SPM series Stainless steel premium motors

Motori elettrici in acciaio inox

Section **2**
Sezione 2

Full stainless steel electric motors ideal for extreme conditions.

Motore elettrico completamente in acciaio inox adatto per condizioni estreme.



TENV enclosed non ventilated
With cable gland in axial position


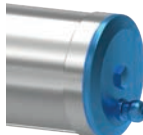












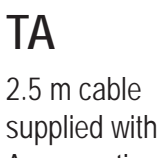




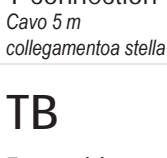





TEFC totally enclosed fan cooled

For the complete documentations please visit our web site: www.cleangeartech.com

Per la documentazione completa si prega di visitare il nostro sito web: www.cleangeartech.com

How to order Codifica

SPM	W	HA	4	W	TE	N	N
Series <i>Serie</i>	Size <i>Taglia</i>	HP Power <i>Potenza HP</i>	Poles <i>Poli</i>	Mounting <i>Montaggio</i>	Tension <i>Tensione</i>	Cooling <i>Raffreddamento</i>	Coating <i>Rivestimento</i>
SPM	W → 56C X → 143/5TC Y → 182/4TC	HA → 1/3	2	W → C Face 	Three-phase <i>Trifase</i>	N TENV (Non ventilato) 	N Without coating Senza rivestimento
		HB → 1/2	4		TU 230/460V 60 Hz		
		HC → 3/4	6		TC 332/575V 60 Hz		
		HD → 1			On request <i>A richiesta</i>	V TEFC (ventilato) 	
		HE → 1-1/2			TE 230/400V 50 Hz		
		HF → 2			TD 220/380V 60 Hz		
		HG → 3			See our website for technical data <i>Vedere il nostro sito web per la documentazione tecnica</i>		

4	K	S	A	1	-N	-	--
Efficiency <i>Efficienza</i>	Protection <i>Protezione</i>	Terminal box <i>Morsettiera</i>	Cable gland position <i>Posizione pressacavo</i>	Cable gland type <i>Tipo di pressacavo</i>	Cable <i>cavo</i>	Thermal protection <i>Protezione termica</i>	Humid rooms options <i>Opzioni ambienti umidi</i>
4 IE4 Super Premium efficiency	K IP69k	S Terminal blocks 4+3 <i>Morsettiera 4+3</i> 	A Axial <i>Assiale</i> 	N Without cable gland <i>No pressacavo</i> 	-N Without cable <i>Senza cavo</i> 	- Standard PTO PTO always supplied <i>PTO sempre fornito</i>	-- Standard
		F Splicing connectors 1W+3W <i>Morsetto</i> 1 cavo + 3 cavi 	R Radial <i>Radiale</i> 	1 Stainless steel cable gland <i>Pressacavo in acciaio inox</i> 			
		U Universal <i>Universale</i> 	3 Anti-condensation cable gland <i>Pressacavo anticondensa</i> 	TA 2.5 m cable supplied with Δ connection <i>Cavo 2.5 m collegamento a Δ</i> 	1 PTC + (PTO) <i>Thermistor</i> 	-S Pre-heater <i>Scaldiglia</i> 	
- Without terminal box <i>Senza morsettiera</i> 	4 Anti-condensation valve <i>Valvola anticondensa</i> 	SB 5 m cable supplied with Y connection <i>Cavo 5 m collegamento a stella</i> 	2 PT100 + (PTO) <i>Thermal protection</i> 	-R Encapsulated resinated <i>Incapsulato resinato</i> 			
- Only for TEFC version <i>Solo per versione TEFC</i> - Without terminal box <i>Senza morsettiera</i> 	6 Stainless steel cable gland with Anti-condensation valve <i>Pressacavo in acciaio inox con valvola anticondensa</i> 	TB 5 m cable supplied with Δ connection <i>Cavo 5 m collegamento a Δ</i> 	Always supplied with cable <i>Sempre fornito con cavo</i>				

4 Poles

Technical data

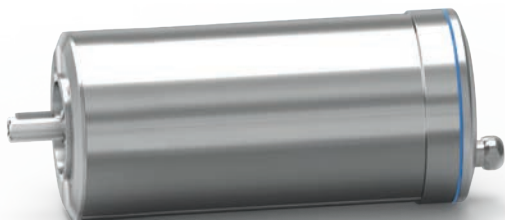
TENV Totally Enclosed non ventilated SPM series - Stainless steel premium motors

Motori elettrici in acciaio inox

S1 service, F insulation class			Operating characteristics at rated power							Direct starting			Enclosure			
Power	Motor code	Frame	Rated current	S.F Current	Speed	Nominal torque	Efficien. % load	Service Factor	PF	Torque	Current	Inertia moment		Weight	R [Ω] 68°F	
HP			A 460/575V	A	rpm	lb ft	100%	SF	cos φ	Ms/Mn	Is/In	lb ft^2		lb		
230/460V 60Hz rpm 1800	1/3	SPM WHA4W TUN	56C	0.68	0.85	1748	1.02	75.2	1.15	0.59	3.9	7.4	0.0010	44.8	7.5	TENV
	1/2	SPM WHB4W TUN	56C	0.92	1.05	1742	1.51	81.3	1.15	0.65	4.3	7.6	0.0012	49.9	6.2	
	3/4	SPM WHC4W TUN	56C	1.25	1.35	1750	2.26	83.6	1.15	0.73	5.0	8.4	0.0015	57.8	3.8	
	1	SPM WHD4W TUN	56C	1.65	1.90	1765	3.05	85.1	1.15	0.70	5.8	8.7	0.0017	65.4	2.7	
		SPM XHD4W TUN	143TC													
	1 1/2	SPM WHE4W TUN	56C	2.30	2.50	1780	4.42	87.2	1.15	0.76	5.0	8.8	0.0020	70.9	2.0	
		SPM XHE4W TUN	145TC													
	2	SPM WHF4W TUN	56C	2.96	3.20	1785	6.02	87.6	1.15	0.81	5.1	10.0	0.0022	77.8	1.6	
		SPM XHF4W TUN	145TC													
	575V 60Hz rpm 1800	1/3	SPM WHA4W TCN	56C	0.46	0.56	1748	1.02	75.3	1.15	0.70	3.9	7.4	0.0010	44.3	
1/2		SPM WHB4W TCN	56C	0.70	0.85	1742	1.51	82.0	1.15	0.65	4.3	7.6	0.0012	49.6	18.6	
3/4		SPM WHC4W TCN	56C	1.00	1.15	1752	2.26	83.4	1.15	0.66	5.0	8.4	0.0015	59.6	12.4	
1		SPM WHD4W TCN	56C	1.30	1.50	1762	3.05	85.1	1.15	0.68	5.8	8.7	0.0017	65.2	10.3	
		SPM XHD4W TCN	143TC													
1 1/2		SPM WHE4W TCN	56C	1.85	2.10	1785	4.42	87.2	1.15	0.68	5.0	8.8	0.0019	70.0	3.1	
		SPM XHE4W TCN	145TC													
2		SPM WHF4W TCN	56C	2.50	2.75	1785	6.02	87.4	1.15	0.69	5.1	10.0	0.0022	78.0	2.4	
	SPM XHF4W TCN	145TC														

Nominal values with ±10% tolerance on Voltage Valori nominali con ±10% di tolleranza nel voltaggio

Technical data and performances may change Dati tecnici e prestazioni possono subire variazioni



TENV Totally Enclosed non ventilated
Totalmente chiuso, non ventilato

Totally Enclosed Fan Cooled TEFC

Stainless steel premium motors - SPM series

Motori elettrici in acciaio inox

4 Poles

Technical data

S1 service, F insulation class			Operating characteristics at rated power							Direct starting			Enclosure			
Power	Motor code	Frame	Rated current	S.F Current	Speed	Nominal torque	Efficien. % load	Service Factor	PF	Torque	Current	Inertia moment		Weight	R [Ω] 68°F	
HP			A 460/575V	A	rpm	lb ft	100%	SF	cos φ	Ms/Mn	Is/In	lb ft ²		lb		
230/460V 60Hz rpm 1800	1/3	SPM WHA4W TUV	56C	0.68	0.80	1748	1.02	74.3	1.15	0.62	3.9	7.4	0.0010	48.8	7.5	TEFC
	1/2	SPM WHB4W TUV	56C	0.92	1.05	1742	1.51	80.5	1.15	0.65	4.3	7.6	0.0012	53.6	6.2	
	3/4	SPM WHC4W TUV	56C	1.25	1.35	1750	2.26	83.6	1.15	0.67	5.0	8.4	0.0015	62.1	3.8	
	1	SPM WHD4W TUV	56C	1.65	1.90	1765	3.05	84.5	1.15	0.67	5.8	8.7	0.0017	69.1	2.7	
		SPM XHD4W TUV	143TC													
	1 1/2	SPM WHE4W TUV	56C	2.30	2.50	1780	4.42	86.9	1.15	0.69	5.0	8.8	0.0019	75.3	2.0	
		SPM XHE4W TUV	145TC													
2	SPM WHF4W TUV	56C	2.95	3.20	1785	6.02	87.7	1.15	0.72	5.1	10.0	0.0022	81.6	1.6		
	SPM XHF4W TUV	145TC														
3	SPM YHG4W TUN	182TC	4.15	4.30	1750	12.00	88.6	1.15	0.85	4.8	9.2	0.0022	81.6	1.6		
575V 60Hz rpm 1800	1/3	SPM WHA4W TCV	56C	0.46	0.56	1748	1.02	74.3	1.15	0.74	3.9	7.4	0.0010	48.8	26.8	TEFC
	1/2	SPM WHB4W TCV	56C	0.70	0.85	1742	1.51	81.5	1.15	0.65	4.3	7.6	0.0012	53.6	18.6	
	3/4	SPM WHC4W TCV	56C	1.00	1.15	1752	2.26	83.1	1.15	0.66	5.0	8.4	0.0015	62.1	12.4	
	1	SPM WHD4W TCV	56C	1.30	1.50	1762	3.05	85.0	1.15	0.68	5.8	8.7	0.0017	69.1	10.3	
		SPM XHD4W TCV	143TC													
	1 1/2	SPM WHE4W TCV	56C	1.85	2.10	1785	4.42	87.1	1.15	0.68	5.0	8.8	0.0019	75.3	3.1	
		SPM XHE4W TCV	145TC													
2	SPM WHF4W TCV	56C	2.50	2.75	1785	6.02	87.3	1.15	0.68	5.1	10.0	0.0022	81.6	2.4		
	SPM XHF4W TCV	145TC														
3	SPM YHG4W TCV	182TC	3.50	3.65	1750	12.0	88.1	1.15	0.73	5.0	8.8	0.0022	81.6	1.6		

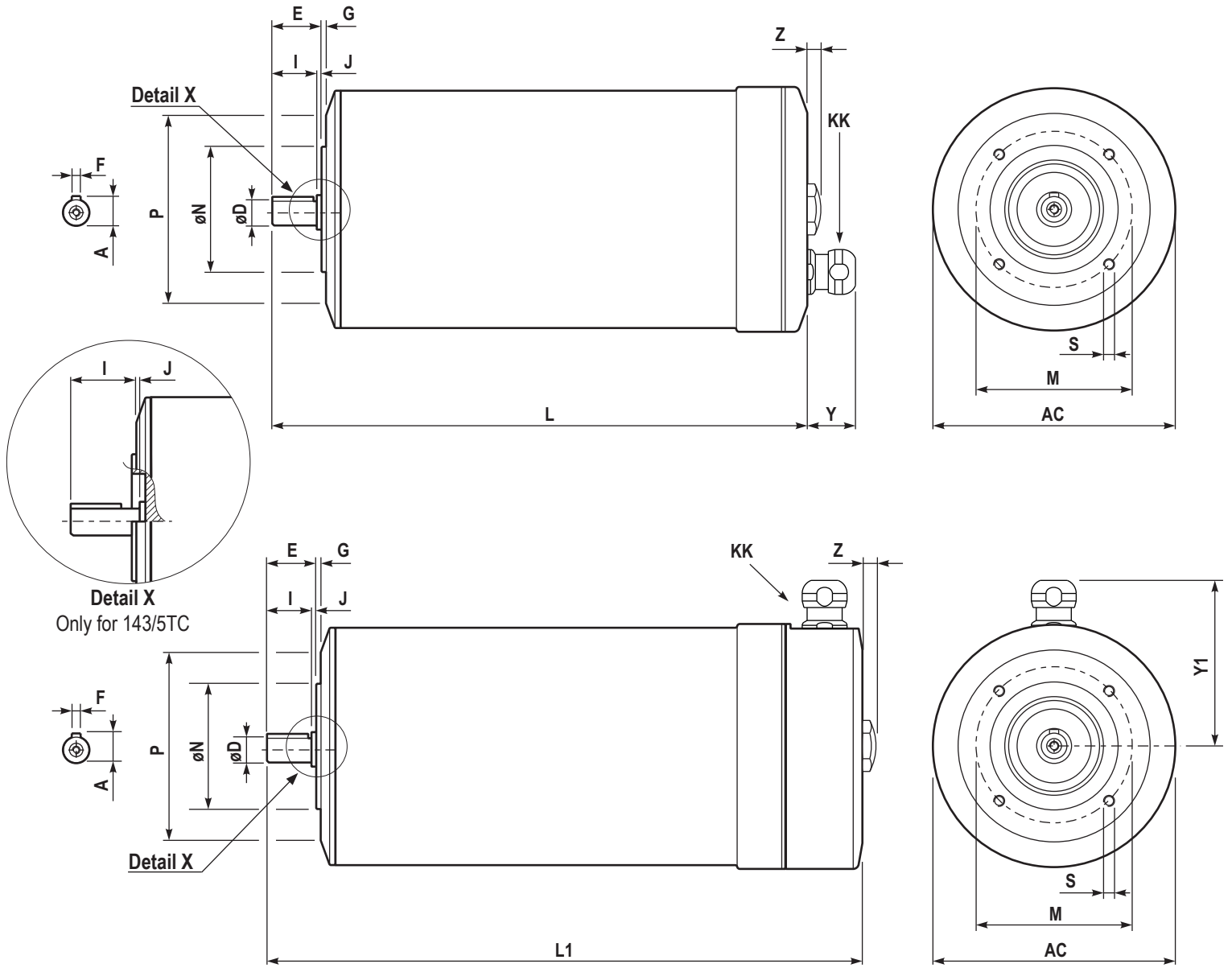
Nominal values with ±10% tolerance on Voltage Valori nominali con ±10% di tolleranza nel voltaggio

Technical data and performances may change Dati tecnici e prestazioni possono subire variazioni



TEFC Totally Enclosed Fan Cooled
Totalmente chiuso, raffreddato a ventola

TENV Totally Enclosed non ventilated HP 1/3 ÷ 2 Totalmente chiuso non ventilato



Dimensions Dimensioni

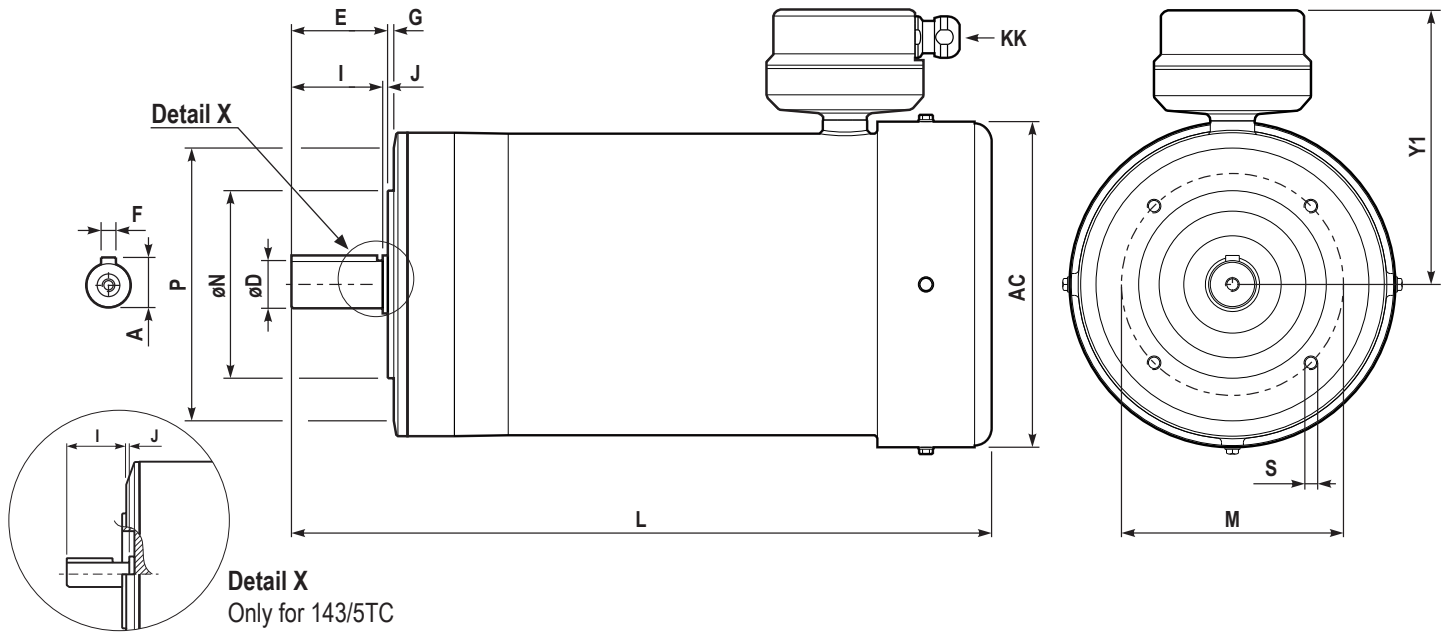
Motor	4 poles HP	A	øD	E	G	I	J	F	L	L1	M	øN	øP	S	AC	KK	Y	Y1	Z
56C	1/3								12.70	13.86									
	1/2																		
	3/4	0.702	0.625	1.933	0.126	1.874	0.06												
	1																		
	1 1/2 2							0.187	14.87	16.03	5.874	4.5	6.5	3/8-16 UNC x 0.59	7.13	M20 x 1.5	1.08	4.57	0.29
143TC	1	0.925	0.875	1.996	0.126	2.252	0.13		14.93	16.09									
145TC	1 1/2 2																		

Totally Enclosed non ventilated **TENV**
Stainless steel premium motors - **SPM series**

C-Face
Dimensions

Motori elettrici in acciaio inox

TEFC Totally Enclosed fan cooled
Totamente chiuso, raffreddato a ventola **HP 1/3 ÷ 3**



Motor fan and fan cover in stainless steel

360° orientable



All components of the motor fan and fan cover are made of stainless steel.

Tutti i componenti della ventola motore e copri ventola sono in acciaio inox.

Standard
with terminal box

Options With direct cable



On request with direct cable UL certified cable, resistant to hot temperature (+90°C).

A richiesta con cavo diretto certificato UL, resistente ad alte temperature (+90°C).

On request
with direct cable

Dimensions *Dimensioni*

Motor	4 poles HP	A	øD	E	G	I	J	F	L	M	øN	P	S	AC	KK	Y1
56C	1/3	0.702	0.625	1.933	0.126	1.874	0.06	0.187	13.82	5.874	4.5	6.5	3/8-16 UNC x 0.59	7.52	M20 x1.5	6.42
	1/2															
	3/4															
	1															
	1 1/2															
143TC	1	0.925	0.875	1.996	0.126	2.252	0.26	16.05	17.23	7.25	8.504	8.88	1/2-13 UNC X 0.75			
	2															
145TC	1 1/2	0.925	0.875	1.996	0.126	2.252	0.26	16.05	17.23	7.25	8.504	8.88	1/2-13 UNC X 0.75			
	2															
182TC	3	1.236	1.125	2.626	0.25	2.75	0.12	0.25	17.23	7.25	8.504	8.88	1/2-13 UNC X 0.75			