

TM-TMB-TMV - MULTISTAGE CENTRIFUGAL PUMPS

50-60 Hz



CAST IRON



DUCTILE IRON



AISI 316



SUPERDUPLEX

IE3

PREMIUM EFFICIENCY

• PREMIUM EFFICIENCY

IE4

SUPER PREMIUM EFFICIENCY

• SUPER PREMIUM EFFICIENCY

IE5

ULTRA PREMIUM EFFICIENCY

• ULTRA PREMIUM EFFICIENCY





TM40-65



TMBX80-125



TMBX200-250





TMXZ125-200



TMVXZ100-150

OPERATION LIMITS - STANDARD VERSIONS

TM-TMB-TMV

40-65			50 Hz ► 1500 1/min			60 Hz ► 1800 1/min			50 Hz ► 3000 1/min			60 Hz ► 3600 1/min		
			TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	20÷45			24÷54			30÷85			35÷95		
2	H [Q=0]	m	138			199			550			574		
3	PN	bar	40÷63 (T=20°C)											
4	P ₂ max	kW	15			30			132			160		
5	T	°C	90 [120*]											
6		g/m³	65											
7		min	2											

50-80			50 Hz ► 1500 1/min			60 Hz ► 1800 1/min			50 Hz ► 3000 1/min			60 Hz ► 3600 1/min		
			TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	20÷55			25÷62			40÷110			45÷125		
2	H [Q=0]	m	156			228			623			627		
3	PN	bar	40÷63 (T=20°C)											
4	P ₂ max	kW	30			45			200			250		
5	T	°C	90 (120*)											
6		g/m³	65											
7		min	2											

65-100			50 Hz ► 1500 1/min			60 Hz ► 1800 1/min			50 Hz ► 3000 1/min			60 Hz ► 3600 1/min		
			TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	30÷110			30÷130			60÷160			70÷170		
2	H [Q=0]	m	198			294			544			588		
3	PN	bar	40÷63 (T=20°C)											
4	P ₂ max	kW	55			90			250			315		
5	T	°C	90 (120*)											
6		g/m³	65											
7		min	2											

80-125			50 Hz ► 1500 1/min			60 Hz ► 1800 1/min			50 Hz ► 3000 1/min			60 Hz ► 3600 1/min		
			TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	40÷145			48÷174			100÷230			120÷276		
2	H [Q=0]	m	210			288			564			581		
3	PN	bar	40÷63 (T=20°C)											
4	P ₂ max	kW	75			110			400			450		
5	T	°C	90 [120*]											
6		g/m³	65											
7		min	2											

100-150			50 Hz ▶ 1500 1/min			60 Hz ▶ 1800 1/min			50 Hz ▶ 3000 1/min			60 Hz ▶ 3600 1/min		
			TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	60÷210			100÷220			160÷310			160÷300		
2	H [Q=0]	m	280			400			642			608		456
3	PN	bar	40÷63 (T=20°C)											
4	P ₂ max	kW	160			250			560			630		500
5	T	°C	90 [120*]											
6		g/m³	65											
7		min	2											

(*) On request

125-200			50 Hz ► 1500 1/min			60 Hz ► 1800 1/min		
			TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	120÷300			130÷330		
2	H [Q=0]	m	327			354		
3	PN	bar	40÷63 [T=20°C]					
4	P ₂ max	kW	250			280		
5	T	°C	90 [120*]					
6		g/m³	65					
7		min	2					

150-200			50 Hz ► 1500 1/min			60 Hz ► 1800 1/min		
			TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	160÷425			190÷510		
2	H {Q=0}	m	311		-	299		-
3	PN	bar	40÷63 (T=20°C)					
4	P ₂ max	kW	355		-	400		-
5	T	°C	90 (120*)					
6		g/m³	65					
7		min	2					

200-250			50 Hz ► 1500 1/min			60 Hz ► 1800 1/min		
			TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	300÷850			360÷1020		
2	H (Q=0)	m	-	328	-	-	354	-
3	PN	bar	40÷63 [T=20°C]					
4	P ₂ max	kW	-	710	-	-	900	-
5	T	°C	90 [120*]					
6		g/m³	65					
7		min	2					

200-250L			50 Hz ► 1500 1/min			60 Hz ► 1800 1/min		
			TM	TMB	TMV	TM	TMB	TMV
1	Qmin – Qmax	m³/h	160÷680			300÷740		
2	H (Q=0)	m	-	403	-	-	385	-
3	PN	bar	40÷63 [T=20°C]					
4	P ₂ max	kW	-	630	-	-	710	-
5	T	°C	90 [120*]					
6		g/m³	65					
7		min	2					

(*) On request

1. Flow range

2. Max. head (Q=0)

3. Max operation pressure (max allowed pressure in consideration of the sum of max. suction pressure and of the head with null flow rate [Temperature of the pumped liquid 20°C])

4. Max. power

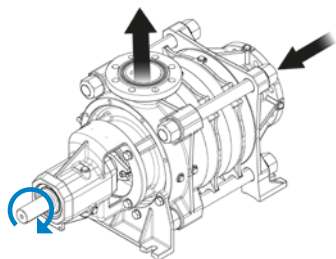
5. Temperature of the pumped liquid

6. Max solids content

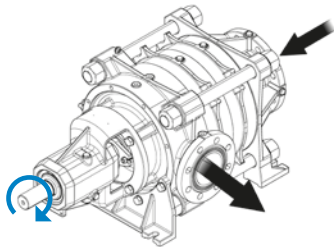
7. Max working time with closed delivery

SERIE TM

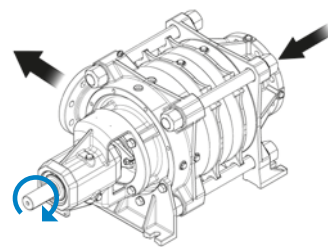
NOZZLE ORIENTATION: POSSIBLE CONFIGURATIONS



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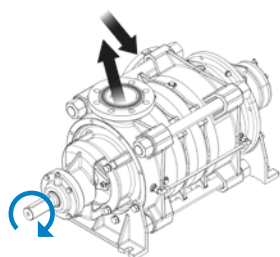
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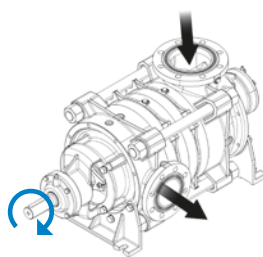
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SERIE TMB

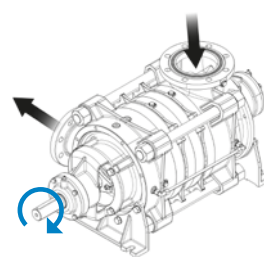
NOZZLE ORIENTATION: POSSIBLE CONFIGURATIONS



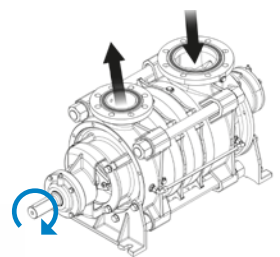
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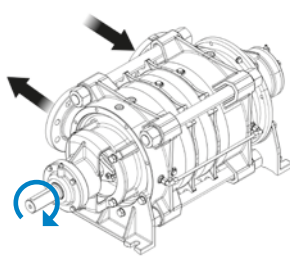
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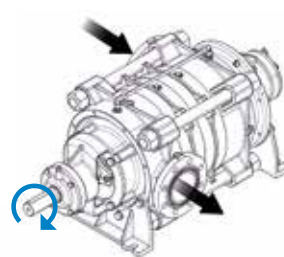
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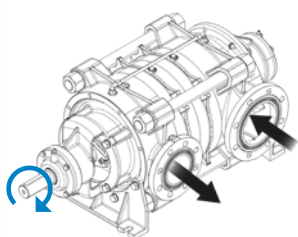
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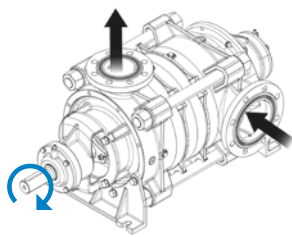
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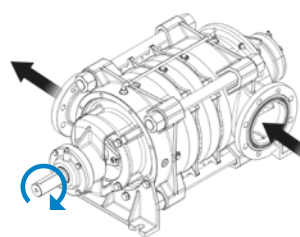
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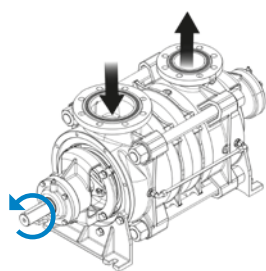
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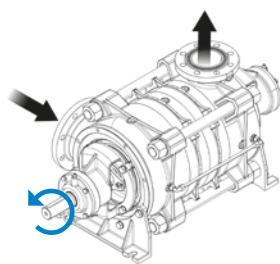
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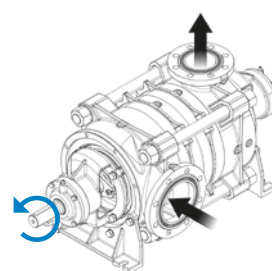
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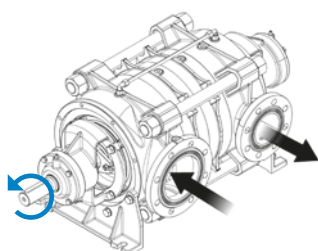
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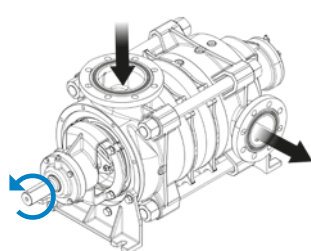
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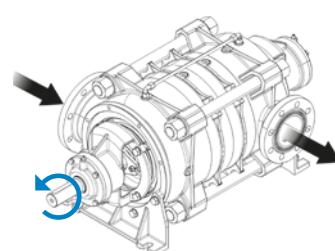
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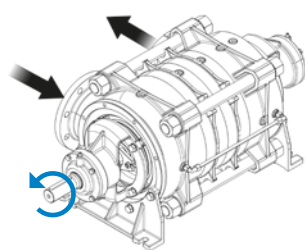
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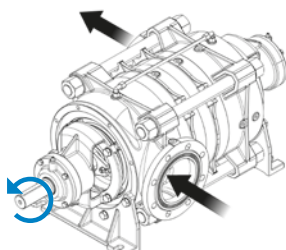
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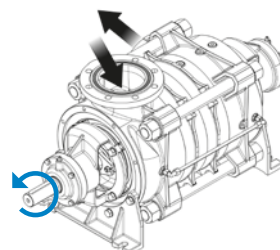
15*



16*



17*

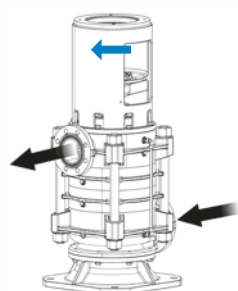


18*

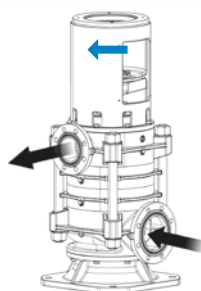
(*) On request. Configuration generally unsuitable for internal combustion engines. Ensure that the pump's rotation direction matches that of the engine.

SERIE TMV

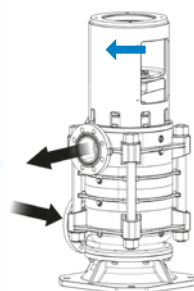
NOZZLE ORIENTATION: POSSIBLE CONFIGURATIONS



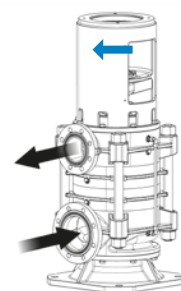
1



2



3



4

THE ADVANTAGES OF TMB-TM-TMV SERIES

EN

Components designed with suitable thickness to guarantee greater resistance and life to the exercise pressures.

A wide range of materials (cast iron EN-GJL-250, spheroidal cast iron EN-GJS-500, stainless steel AISI 316, Superduplex).

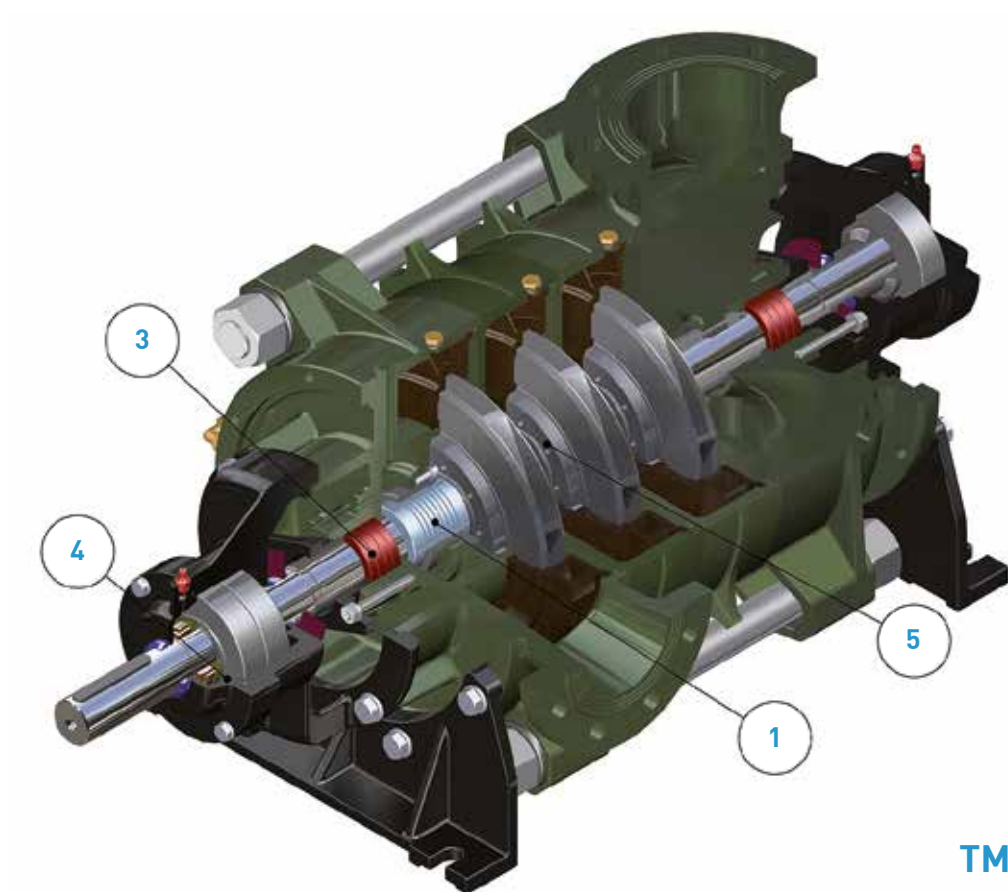
Suction flanges in PN 16, delivery flanges in PN 40 (PN 63 on request). Maximum working pressure: PN40 o PN63 depending from versions.

Three possible configurations: TM (axial suction), TMB (double support and lateral suction), TMV (vertical), all with the possibility of orienting the nozzle.

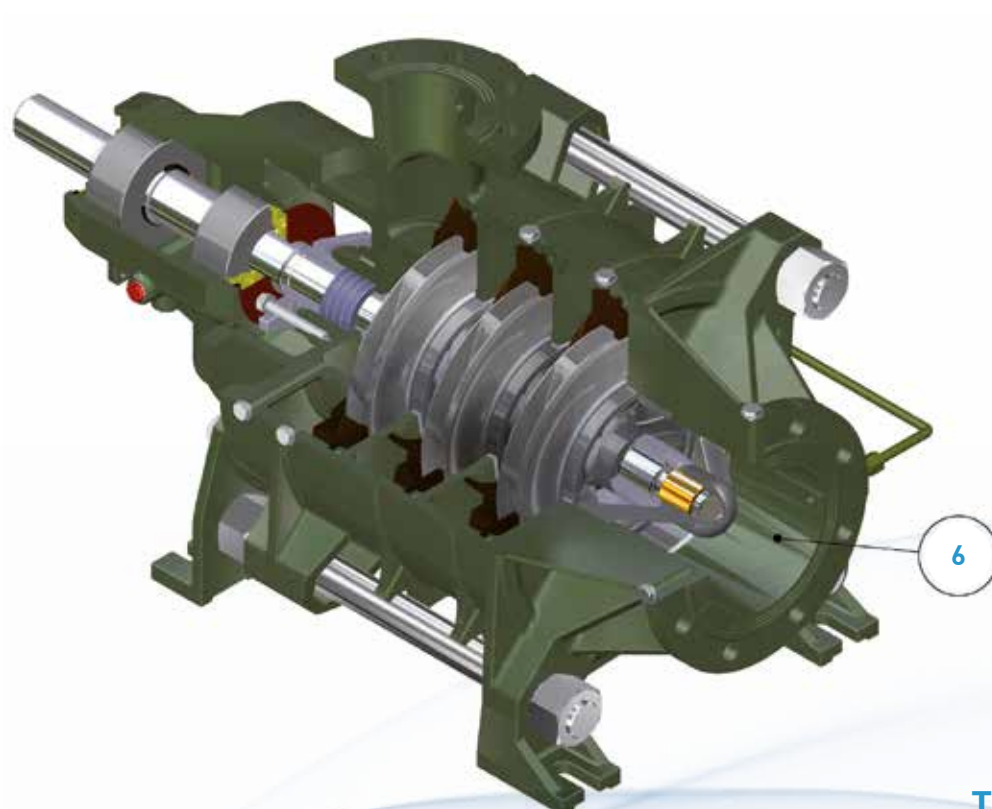
Hydraulic design developed with CFD systems and optimized in order to obtain the best hydraulic efficiency levels, combined with a wide range of Capacity-Discharge Head curves. Standard with stainless steel AISI 431 shaft designed to resist to the bending-torsion load generated and protected by anti-wear systems (stainless steel shaft sleeves). On demand, shafts made with different materials (Duplex, AISI 630).

1. Reduction system of axial loads on all versions: balance drum, impellers with holes and return pipe.
2. Last stage diffuser for radial loads removal.
3. Different configurations of mechanical seal or gland packing according to the user's requirements, based on the fluid characteristics and the use conditions.
4. Oversized ball bearings and protected from outer agents to offer a reduced working noise and a long service life. Available versions with oil soaked bearings and with a constant-level oil feeder on demand.
5. Wear ring front and rear, easy to replace, to protect diffusers, stage bodies and impellers.
6. TM series: suction profile conceived to increase the suction capacity and to reduce the NPSH and the possibility of cavitation.
7. Thrust bearings used to support axial residual loads.
8. TM and TMV series: Bushings made of antifriction materials.
9. TM80 - TM100: Available also in TMS version, with coupling flange according to SAE3 for diesel engine.

TM-TMB-TMV series pumps are manufactured in Italy.



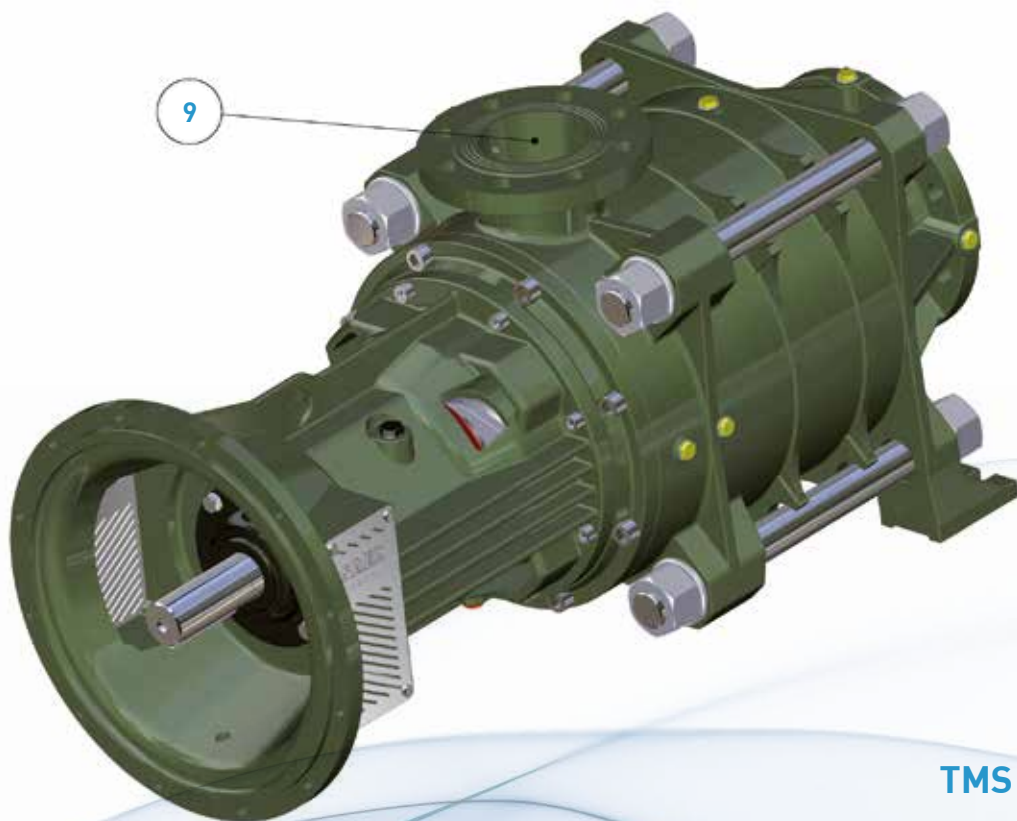
TMB



TM



TMV



TMS

MATERIALS AND MAIN PARTS

CASING - SUCTION, OUTLET AND STAGE BODIES



VERSION				
TM-TMB-TMV		TM-TMB-TMV PN63	TMX-TMBX-TMVX	TMXD-TMBXD-TMVXD
Cast iron	Ductile cast iron	Ductile cast iron	Stainless steel	Stainless steel
EN-GJL-250	EN-GJS-500	EN-GJS-500	AISI 316 (CF8M-1.4408)	Superduplex 5A (CE3MN)

IMPELLER



VERSION					
TM-TMB-TMV			TMX-TMBX-TMVX		TMXD-TMBXD-TMVXD
Standard	On request		Standard	On request	Standard
Cast iron	Stainless steel	Bronze	Stainless steel	Bronze	Stainless steel
EN-GJL-250	AISI 316 (CF8M-1.4408)	CuSn10	AISI 316 (CF8M-1.4408)	CuSn10	Superduplex 5A (CE3MN)

DIFFUSER



VERSION			
TM-TMB-TMV		TMX-TMBX-TMVX	TMXD-TMBXD-TMVXD
Standard	On request	Standard	Standard
Cast iron	Stainless steel	Stainless steel	Stainless steel
EN-GJL-250	AISI 316 (CF8M-1.4408)	AISI 316 (CF8M-1.4408)	Superduplex 5A (CE3MN)

WEAR RING



VERSION					
TM-TMB-TMV			TMX-TMBX-TMVX		TMXD-TMBXD-TMVXD
Standard	On request		Standard	On request	Standard
Steel	Stainless steel AISI 316 (CF8M-1.4408)	Bronze CuSn10	Stainless steel AISI 316 (CF8M-1.4408)	Bronze CuSn10	Technopolymer

SHAFT



VERSION • Versione • Versión • Version • Version • Версия			
TM-TMB-TMV	TM-TMB-TMV...R	TMX-TMBX-TMVX	TMXD-TMBXD-TMVXD
Stainless steel AISI431 (1.4057) AISI630 (1.4542)	Stainless steel AISI630 (1.4542)	Stainless steel Duplex 1.4362	Stainless steel A Superduplex 1.4507

Sealing system	Standard	On request	
			
	Soft packing PTFE	Mechanical seal*	Cartridge seal*

*Various configurations available upon request

BEARING LUBRICATION

Bearings	By permanent grease	By grease with greaser	In oil bath
TM	Standard	/	On request
TMB	/	Standard	On request
TMV	/	Standard	/

HYDRAULIC FEATURES

[illegible][illegible]

HYDRAULIC FEATURES

C

40-65 ~ 3000 1/min 50Hz

Type Tipo Тип	P ₂		Q	U.S.g.p.m.	0	132	176	220	264	286	308	330	352	374
	kW	HP		m³/h	0	30	40	50	60	65	70	75	80	85
				l/min	0	500	667	833	1000	1083	1167	1250	1333	1417
40-65/2	18,5	25	H (m)	78,5	71,5	69,5	66,5	62	59	55	51	43	35,5	
40-65/3	30	40		117,5	107	104	99,5	93	88,5	82,5	76,5	64,5	53	
40-65/4	37	50		157	143	139	133	123,5	118	110,5	102,5	86,5	71	
40-65/5	45	60		196	178,5	173,5	166	154,5	147,5	138	128	108	88,5	
40-65/6	55	75		235,5	214	208	199	185,5	177	165,5	153,5	129,5	106,5	
40-65/7	75	100		274,5	250	243	232,5	216,5	206,5	193	179,5	151	124	
40-65/8	75	100		314	285,5	277,5	265,5	247,5	236	220,5	205	172,5	142	
40-65/9	75	100		353	321,5	312,5	299	278,5	265,5	248	230,5	194	159,5	
40-65/10	90	125		392,5	357	347	332	309	295	275,5	256	215,5	177,5	
40-65/11	90	125		431,5	392,5	381,5	365	340	324,5	303,5	282	237,5	195	
40-65/12	110	150		471	428,5	416,5	398,5	371	354,4	331	307,5	259	213	
40-65/13	110	150		510	464	451	431,5	402	384	358,5	333	280,5	230,5	
40-65/14	132	180		549,5	500	486	465	433	413,5	386	359	302	248,5	

3000 1/min	40-65/2	40-65/3	40-65/4	40-65/5	40-65/6	40-65/7	40-65/8	40-65/9	40-65/10	40-65/11	40-65/12	40-65/13	40-65/14
TM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾
TMB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾
TMV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾

40-65 ~ 3600 1/min 60Hz

Тиро Type Тип	P ₂		Q	U.S.g.p.m.	0	154	176	220	264	308	352	374	396	418
	kW	HP		m³/h	0	35	40	50	60	70	80	85	90	95
				l/min	0	583	667	833	1000	1167	1333	1417	1500	1583
40-65/2	30	50	H (m)		114,5	105,5	105	102	98,5	93	83,5	75,5	68,5	59,5
40-65/3	45	60			172	158,5	158	152,5	147,5	139,5	125,5	113,5	102,5	89,5
40-65/4	55	75			229,5	211,5	210,5	203,5	197	185,5	167,5	151,5	137	119,5
40-65/5	75	100			286,5	264,5	263	254,5	246	232	209	189	171	149,5
40-65/6	90	125			344	317	315,5	305,5	295,5	278,5	251	227	205,5	179
40-65/7	110	150			401,5	370	368	356,5	344,5	325	293	264,5	239,5	209
40-65/8	110	150			459	423	421	407,5	394	371,5	335	302,5	274	239
40-65/9	132	180			516	476	473,5	458,5	443	418	376,5	340,5	308	269
40-65/10	160	220			573,5	528,5	526	509	492	464,5	418,5	378	342	298,5

3600 1/min	40-65/2	40-65/3	40-65/4	40-65/5	40-65/6	40-65/7	40-65/8	40-65/9	40-65/10
TM	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾
TMB	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾
TMV	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾

Note 1: Stainless steel AISI316 (...X) and Superduplex (...XD) versions not available for this model.

HYDRAULIC FEATURES

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HYDRAULIC FEATURES

50-80			~ 3000 1/min										50Hz	
Type Tipo Тип	P ₂		Q	U.S.g.p.m.	0	176	220	264	308	352	396	440	462	484
	kW	HP		m³/h	0	40	50	60	70	80	90	100	105	110
				l/min	0	667	833	1000	1167	1333	1500	1667	1750	1833
50-80/2	30	40	H (m)		96	88	86,5	84	81	78,5	74	69	65	59
50-80/3	45	60			143,5	132	129,5	126	121,5	117,5	111	103,5	98	88,5
50-80/4	75	100			191,5	176	173	168	162	157	148	138	130,5	118
50-80/5	75	100			239,5	220	216	210	202,5	196	185	172,5	163	147,5
50-80/6	90	125			287,5	264	259	252	243	235	222	207	195,5	177
50-80/7	110	150			335,5	308	302,5	294	283,5	274,5	259	241,5	228	206,5
50-80/8	132	180			383	352	345,5	336	324	313,5	296	276	261	236
50-80/9	132	180			431	396	389	378	364,5	353	333	310,5	293,5	265,5
50-80/10	160	220			479	440	432	420	405	392	370	345	326	295
50-80/11	160	220			527	484	475	462	445,5	431	407	379,5	358,5	324,5
50-80/12	200	270			575	528	518,5	504	486	470,5	444	414	391	354
50-80/13	200	270			622,5	572	561,5	546	526,5	509,5	481	448,5	424	383,5
3000 1/min	50-80/2	50-80/3		50-80/4	50-80/5	50-80/6	50-80/7	50-80/8	50-80/9	50-80/10	50-80/11	50-80/12	50-80/13	
TM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾		
TMB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾		
TMV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾		

50-80			~ 3600 1/min										60Hz	
Type Tipo Тип	P ₂		Q	U.S.g.p.m.	0	198	264	308	352	396	440	484	528	550
	kW	HP		m³/h	0	45	60	70	80	90	100	110	120	125
				l/min	0	750	1000	1167	1333	1500	1667	1833	2000	2083
50-80/2	55	75	H (m)	139	128,5	125	122	119	116	111	104,5	89	81	
50-80/3	75	100		209	193	187	183	178,5	174	167	157	133,5	121,5	
50-80/4	110	150		278,5	257	249,5	244	238	231,5	222,5	209	178	162	
50-80/5	132	180		348	321,5	312	305	297,5	289,5	278	261,5	222,5	202,5	
50-80/6	160	220		417,5	386	375,5	366	357	347,5	333,5	314	267	243	
50-80/7	200	270		487	450	436,5	427	416,5	405,5	389	366	311,5	283,5	
50-80/8	200	270		556,5	514,5	499	488	476	463	445	418,5	356	324	
50-80/9	250	340		626,5	578,5	561,6	549	535,5	521	500,5	470	400,5	364,5	
3600 1/min	50-80/2		50-80/3	50-80/4	50-80/5	50-80/6	50-80/7	50-80/8	50-80/9					
TM	✓		✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾					
TMB	✓		✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾					
TMV	✓		✓	✓	✓	✓	✓	✓	✓ ⁽¹⁾					

Note 1: Stainless steel AISI316 (...X) and Superduplex (...XD) versions not available for this model.

HYDRAULIC FEATURES

[illegible][illegible]

HYDRAULIC FEATURES

65-100			~ 3000 1/min										50Hz			
Type Тип	P ₂		Q	U.S.g.p.m.	0	264	308	352	396	440	484	528	572	616	660	704
	kW	HP		m³/h	0	60	70	80	90	100	110	120	130	140	150	160
				l/min	0	1000	1167	1333	1500	1667	1833	2000	2167	2333	2500	2667
65-100/2	75	100	H (m)		136	126	122	120	118	116	113	111	109	104	100	96
65-100/3	90	125			204	189	183	180	177	174	169,5	166,5	163,5	156	150	144
65-100/4	132	180			272	252	244	240	236	232	226	222	218	208	200	192
65-100/5	160	220			340	315	305	300	295	290	282,5	277,5	272,5	260	250	240
65-100/6	200	270			408	378	366	360	354	348	339	333	327	312	300	288
65-100/7	250	340			476	441	427	420	413	406	395,5	388,5	381,5	364	350	336
65-100/8	250	340			544	504	488	480	472	464	452	444	436	416	400	384
3000 1/min	65-100/2		65-100/3		65-100/4		65-100/5		65-100/6		65-100/7		65-100/8			
TM	✓		✓		✓		✓		✓		✓		✓ ⁽¹⁾			
TMB	✓		✓		✓		✓		✓		✓		✓ ⁽¹⁾			
TMV	✓		✓		✓		✓		✓		✓		✓ ⁽¹⁾			

65-100				~ 3600 1/min										60Hz			
Type Тип	P ₂		Q	U.S.g.p.m.	0	308	352	396	440	484	528	572	616	660	704	748	
	kW	HP		m³/h	0	70	80	90	100	110	120	130	140	150	160	170	
				l/min	0	1167	1333	1500	1667	1833	2000	2167	2333	2500	2667	2833	
65-100/2	110	150	H (m)	196	180	176	174	172	170	168	166	162	160	156	148		
65-100/3	160	220		294	270	264	261	258	255	252	249	243	240	234	222		
65-100/4	200	270		392	360	352	348	344	340	336	332	324	320	312	296		
65-100/5	250	340		490	450	440	435	430	425	420	415	405	400	390	370		
65-100/6	315	430		588	540	528	522	516	510	504	498	486	480	468	444		
3600 1/min	65-100/2			65-100/3			65-100/4			65-100/5			65-100/6				
TM	✓			✓			✓			✓			✓ ⁽¹⁾				
TMB	✓			✓			✓			✓			✓ ⁽¹⁾				
TMV	✓			✓			✓			✓			✓ ⁽¹⁾				

Note 1: Stainless steel AISI316 [...X] and Superduplex [...XD] versions not available for this model.

HYDRAULIC FEATURES

80-125				~ 1500 l/min								50Hz				
Type Тип	P ₂		Q	U.S.g.p.m.	0	176	220	264	308	352	396	440	484	528	572	638
	kW	HP		m³/h	0	40	50	60	70	80	90	100	110	120	130	145
				l/min	0	667	833	1000	1167	1333	1500	1667	1833	2000	2167	2417
80-125/2	15	20	H (m)	40	38	37	36	35	33,5	32	30	28	25,5	22,5	17,5	
80-125/3	18,5	25		60	57	55,5	54	52,5	50,5	48	45	42	38	34	26	
80-125/4	30	40		80	76	74,5	72	70	67	64	60,5	56	51	45	35	
80-125/5	37	50		100	95	93	90	87,5	84	80	75,5	70	63,5	56,5	43,5	
80-125/6	37	50		120	114	111,5	108	105	101	96	90,5	84	76	68	52	
80-125/7	45	60		140	133	130	126	122,5	117,5	112	105,5	98	89	79	61	
80-125/8	55	75		160	152	149	144	140	134,5	128	121	112	102	90,5	69,5	
80-125/9	75	100		189	180	176,5	171	166,5	160,5	153	145	135	123,5	111	87,5	
80-125/10	75	100		210	200	196	190	185	178	170	161	150	137	123	97	
1500 l/min	80-125/2	80-125/3		80-125/4	80-125/5	80-125/6	80-125/7	80-125/8	80-125/9	80-125/10						
TM-TMS	✓	✓	✓	✓	✓	✓	✓	✓	✓							
TMB	✓	✓	✓	✓	✓	✓	✓	✓	✓							
TMV	✓	✓	✓	✓	✓	✓	✓	✓	✓							

80-125				~ 1800 1/min										60Hz			
Type Тип	P ₂		Q	U.S.g.p.m.	0	211	264	317	370	422	475	528	581	634	686	766	
	kW	HP		m³/h	0	48	60	72	84	96	108	120	132	144	156	174	
				l/min	0	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2900	
80-125/2	22	30	H (m)	57,5	54,5	53,5	52	50,5	48	46	43	40,5	36,5	32,5	25		
80-125/3	37	50		86,5	82	80	77,5	75,5	72,5	69	65	60,5	55	48,5	38		
80-125/4	45	60		115	109,5	106,5	103,5	101	96,5	92	86,5	80,5	73,5	65	50,5		
80-125/5	55	75		144	137	133,5	129,5	126	120,5	115,5	108	101	92	81	63		
80-125/6	75	100		173	164	160	155,5	151	144,5	138,5	129,5	121	110	97	75,5		
80-125/7	75	100		201,5	191,5	186,5	181,5	176,5	168,5	161,5	151	141	128,5	113,5	88		
80-125/8	90	125		230,5	219	213	207,5	201,5	192,5	184,5	172,5	161	147	129,5	100,5		
80-125/9	110	150		259	246,5	239,5	233,5	227	216,5	207,5	194	181	165,5	146	113		
80-125/10	110	150		288	273,5	266,5	259	252	241	231	216	201,5	183,5	162	126		
1800 1/min	80-125/2			80-125/3	80-125/4	80-125/5	80-125/6	80-125/7	80-125/8	80-125/9	80-125/10						
TM-TMS	✓		✓	✓	✓	✓	✓	✓	✓	✓							
TMB	✓		✓	✓	✓	✓	✓	✓	✓	✓							
TMV	✓		✓	✓	✓	✓	✓	✓	✓	✓							

HYDRAULIC FEATURES

80-125			~ 3000 1/min							50Hz			
Type Tipo Тип	P ₂		Q	U.S.g.p.m.	0	440	528	616	704	792	880	968	1012
	kW	HP		m³/h	0	100	120	140	160	180	200	220	230
				l/min	0	1667	2000	2333	2667	3000	3333	3667	3833
80-125/2	110	150	H (m)	161	152	150	144	138	130	120	110	95	
80-125/3	160	220		242	228	225	216	207	197,5	187,5	175,5	168	
80-125/4	250	340		322,5	304	300	288	276	263,5	250	234	224	
80-125/5	280	380		403,5	380	375	360	345	329	312,5	292,5	281	
80-125/6	315	430		484	456	450	432	414	395	375	351	336	
80-125/7	400	540		564,5	532	525	504	483	464	437,5	409,5	392	
3000 1/min	80-125/2		80-125/3		80-125/4		80-125/5		80-125/6		80-125/7		
TM	✓		✓		✓		✓		✓		✓ ⁽¹⁾		
TMB	✓		✓		✓		✓		✓		✓ ⁽¹⁾		
TMV	✓		✓		✓		✓		✓		✓ ⁽¹⁾		

80-125			~ 3600 1/min							60Hz			
Type Tipo Тип	P ₂		Q	U.S.g.p.m.	0	528	634	740	845	950	1056	1162	1214
	kW	HP		m³/h	0	120	144	168	192	216	240	264	276
				l/min	0	2000	2400	2800	3200	3600	4000	4400	4600
80-125/2	160	220	H (m)	232	219	216	207,5	199	187	173	158,5	137	
80-125/3	280	380		348,5	328,5	324	311	298	284,5	270	253	242	
80-125/4	355	510		464,5	438	432	414,5	397,5	379	360	337	322,5	
80-125/5	450	610		580,5	547	540	518,5	497	474	450	421	403	
3600 1/min	80-125/2			80-125/3			80-125/4			80-125/5			
TM	✓			✓			✓			✓ ⁽¹⁾			
TMB	✓			✓			✓			✓ ⁽¹⁾			
TMV	✓			✓			✓			✓ ⁽¹⁾			

Note 1: Stainless steel AISI316 (...X) and Superduplex (...XD) versions not available for this model.

HYDRAULIC FEATURES

100-150			~ 3000 1/min								50Hz			
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Type Тип	P ₂		Q	U.S.g.p.m.	0	704	792	880	968	1057	1145	1233	1321	1365
	kW	HP		m³/h	0	160	180	200	220	240	260	280	300	310
				l/min	0	2667	3000	3333	3667	4000	4333	4667	5000	5167
100-150/2	200	270	H (m)	214	204	201	198	194	190	184	174	155	140	
100-150/3	315	430		321	306	301,5	297	291	285	276	261	232,5	210	
100-150/4	400	540		428	408	402	396	388	380	368	348	310	280	
100-150/5	500	680		535	510	502,5	495	485	475	460	435	387,5	350	
100-150/6	560	760		642	612	603	594	582	570	552	522	465	420	

3000 1/min	100-150/2	100-150/3	100-150/4	100-150/5	100-150/6
TM	✓	✓	✓	✓ ⁽¹⁾	✓ ⁽¹⁾
TMB	✓	✓	✓	✓ ⁽¹⁾	✓ ⁽¹⁾
TMV	✓	✓	✓	✓ ⁽¹⁾	✓ ⁽¹⁾

100-150			~ 3600 1/min								60Hz			
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Type Тип	P ₂		Q	U.S.g.p.m.	0	704	792	800	968	1057	1145	1233	1321
	kW	HP		m³/h	0	160	180	200	220	240	260	280	300
				l/min	0	2667	3000	3333	3667	4000	4333	4667	5000
100-150/2	315	430	H (m)		304	294	292	290	286	285	278	272	268
100-150/3	500	680			456	441	438	435	429	423	417	408	402
100-150/4	630	855			608	588	584	580	572	564	556	544	536

3600 1/min	100-150/2	100-150/3	100-150/4
TM	✓	✓	✓ ⁽¹⁾
TMB	✓	✓	✓ ⁽¹⁾
TMV	✓	✓	X

Note 1: Stainless steel AISI316 (...X) and Superduplex (...XD) versions not available for this model.

HYDRAULIC FEATURES

125-200			~ 1500 1/min								50Hz			
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Type Тип Тип	P ₂		Q	U.S.g.p.m.	0	528	616	704	792	880	968	1100	1188	1320
	kW	HP		m³/h	0	120	140	160	180	200	220	250	270	300
				l/min	0	2000	2333	2667	3000	3333	3667	4167	4500	5000
125-200/2	55	75	H (m)		81,5	70,5	69	67	65	63	61	58,5	56	49,5
125-200/3	90	125			122,5	105,5	103	100,5	97,5	94,5	91,5	88	84	74
125-200/4	110	150			163,5	140,5	137,5	134,5	130	126	122	117	112	98,5
125-200/5	160	220			204,5	176	172	168	162,5	157,5	152,5	146,5	140	123
125-200/6	200	270			245	211	206,5	201,5	195	189	183	175,5	168	147,5
125-200/7	200	270			286	246	241	235	227,5	220,5	213,5	205	196	172
125-200/8	250	340			327	281,5	275	268,5	260,5	252,5	244,5	234	224	197

1500 1/min	125-200/2	125-200/3	125-200/4	125-200/5	125-200/6	125-200/7	125-200/8
TM	✓	✓	✓	✓	✓	✓	✓
TMB	✓	✓	✓	✓	✓	✓	✓
TMV	✓	✓	✓	✓	✓	✓	✓

125-200			~ 1800 1/min								60Hz			
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Type Тип	P ₂		Q	U.S.g.p.m.	0	572	704	792	880	1012	1100	1188	1320	1452
	kW	HP		m³/h	0	130	160	180	200	230	250	270	300	330
				l/min	0	2167	2667	3000	3333	3833	4167	4500	5000	5500
125-200/2	90	125	H (m)		118	104	101,5	100,5	97	94	92	87,5	84,5	77
125-200/3	160	220			177	155,5	152	150,5	145,5	141	137,5	131,5	126,5	115,5
125-200/4	200	270			236	207,5	203	201	194	188	183,5	175,5	169	154
125-200/5	250	340			295	259,5	253,5	251	242,5	235	229,5	219	211	192,5
125-200/6	280	380			354	311,5	304	301	291	282	275,5	263	253,5	231

1800 1/min	125-200/2	125-200/3	125-200/4	125-200/5	125-200/6
TM	✓	✓	✓	✓	✓
TMB	✓	✓	✓	✓	✓
TMV	✓	✓	✓	✓	✓

HYDRAULIC FEATURES

150-200 ~ 1500 1/min 50Hz

Type Тип	P ₂		Q	U.S.g.p.m.	0	704	880	1056	1232	1320	1408	1584	1760	1870
	kW	HP		m³/h	0	160	200	240	280	300	320	360	400	425
				l/min	0	2667	3333	4000	4667	5000	5333	6000	6667	7083
150-200/2	110	150	H (m)		104	95	93	90,5	86	83,5	81,5	76	71,5	65
150-200/3	160	220			156	142,5	139,5	136	129	125,5	122,5	114	107,5	97,5
150-200/4	250	340			208	190	186	181	171,5	167	163,5	151,5	143,3	130
150-200/5	315	430			260	237,5	232,5	226,5	214,5	209	204	189,5	179	162,5
150-200/6	355	480			311	285	279	272	257,5	251	245	227,5	215	195

1500 1/min	150-200/2	150-200/3	150-200/4	150-200/5	150-200/6
TM	✓	✓	✓	✓	✓
TMB	✓	✓	✓	✓	✓
TMV	✗	✗	✗	✗	✗

150-200 ~ 1800 1/min 60Hz

Type Тип	P ₂		Q	U.S.g.p.m.	0	836	1056	1144	1364	1584	1804	1892	1980	2244
	kW	HP		m³/h	0	190	240	260	310	360	410	430	450	510
				l/min	0	3167	4000	4333	5167	6000	6833	7167	7500	8500
150-200/2	200	270	H (m)	149,5	137	134	132,5	129	120,5	113	109	107	107	93,5
150-200/3	315	430		224,5	205	201	199	194	180,5	169,5	164	160,5	160,5	140,5
150-200/4	400	540		299	273,5	268	265,5	258,5	241	226	218,5	214	214	187

1800 1/min	150-200/2	150-200/3	150-200/4
TM	✓	✓	✓
TMB	✓	✓	✓
TMV	✗	✗	✗

HYDRAULIC FEATURES

200-250L ~ 1500 1/min 50Hz

Type Тип	P ₂		Q	U.S.g.p.m.	0	704	1101	1321	1541	1761	1981	2201	2422	2642	2994
	kW	HP		m³/h	0	160	250	300	350	400	450	500	550	600	680
				l/min	0	2667	4167	5000	5833	6667	7500	8333	9167	10000	11333
200-250L/2	200	270	H (m)		135	130	125	123	120	117	113	109	103	97	81
200-250L/3	315	430			200	194	189	184	179	175	170	164	155	146	121
200-250L/4	400	540			269	260	250	245	240	234	226	217	207	193	162
200-250L/5	500	680			336	324	314	307	300	291	282	272	259	242	202
200-250L/6	630	860			403	389	377	368	360	349	338	326	311	290	242

1500 1/min	200-250L/2	200-250L/3	200-250L/4	200-250L/5	200-250L/6
TM	X	X	X	X	X
TMB	✓	✓	✓	✓	✓
TMV	X	X	X	X	X

200-250L ~ 1800 1/min 60Hz

Type Тип	P ₂		Q	U.S.g.p.m.	0	1321	1541	1761	1981	2201	2422	2642	2862	3082	3258
	kW	HP		m³/h	0	300	350	400	450	500	550	600	650	700	740
				l/min	0	5000	5833	6667	7500	8333	9167	10000	10833	11667	12333
200-250L/2	355	480	H (m)		193	180	176	173	170	167	163	159	150	138	125
200-250L/3	560	760			290	270	265	260	254	249	244	237	226	207	187
200-250L/4	710	970			385	360	353	345	339	333	325	317	301	277	243

1800 1/min	200-250L/2	200-250L/3	200-250L/4
TM	X	X	X
TMB	✓	✓	✓
TMV	X	X	X

Note 1: Stainless steel AISI316 (...X) and Superduplex (...XD) versions not available for this model.

HYDRAULIC FEATURES

200-250				~ 1500 1/min							50Hz			
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Type Тип	P ₂		Q	U.S.g.p.m.	0	1320	1650	1980	2420	2750	3080	3300	3520	3740
	kW	HP		m³/h	0	300	375	450	550	625	700	750	800	850
				l/min	0	5000	6250	7500	9167	10417	11667	12500	13333	14167
200-250/2	355	480	H (m)		164	148	145	143	138	132	126,5	123	117,5	101
200-250/3	560	760			246	222	217,5	214,5	207	198	189,5	184,5	176	151,5
200-250/4	710	970			328	296	290	285,5	276,5	264	253	246	235	202

1500 1/min	200-250/2				200-250/3				200-250/4			
TM	X				X				X			
TMB	✓				✓				✓			
TMV	X				X				X			

200-250				~ 1800 1/min							60Hz			
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Type Тип	P ₂		Q	U.S.g.p.m.	0	1584	1980	2376	2904	3300	3696	3960	4224	4488
	kW	HP		m³/h	0	360	450	540	660	750	840	900	960	1020
				l/min	0	6000	7500	9000	11000	12500	14000	15000	16000	17000
200-250/2	630	860	H (m)	236	213	209	206	198,5	190	182	177	169	145,5	
200-250/3	900	1200		354	319,5	313	309	298	285	273	265,5	253,5	218	

1800 1/min	200-250/2				200-250/3			
TM	X				X			
TMB	✓				✓			
TMV	X				X			

Note 1: Stainless steel AISI316 (...X) and Superduplex (...XD) versions not available for this model.