

DM



GENERALITÀ / FEATURES

Elettropompe sommergibili da drenaggio con girante monocanale che, oltre ad elevate portate, garantiscono prevalenze eccellenti. Ideali per applicazioni civili ed industriali, sono progettate per uso gravoso. Prevalenze fino a 30 metri. Portate fino a 144 m³/h. Disponibili per installazione libera e con piede di accoppiamento.

Centrifugal single-channel drainage pumps that besides high capacity, they guarantee high head. These pumps, ideal for industrial and civil application, are specially designed for heavy use. Head up to 30 m. Capacity up to 144 m³/h. Available for mobile and permanent installation with coupling foot.

MATERIALI / MATERIALS

- Corpo pompa in ghisa con bocca flangiata
- Girante in ghisa
- Albero motore in acciaio inox AISI 304
- Doppia tenuta meccanica in carburo di silicio/ceramica grafite, con barriera d'olio e paraolio lato pompa
- Cavo elettrico di alimentazione lungo 10 m in H07RNF

- *Cast-iron casing with threaded bore*
- *Cast-iron impeller*
- *Stainless steel AISI 304 motor shaft*
- *Double silicon carbide/ceramic graphite mechanical seal with oil barrier on pump side*
- *10 m electric cable of H07RNF*

MOTORE / MOTOR

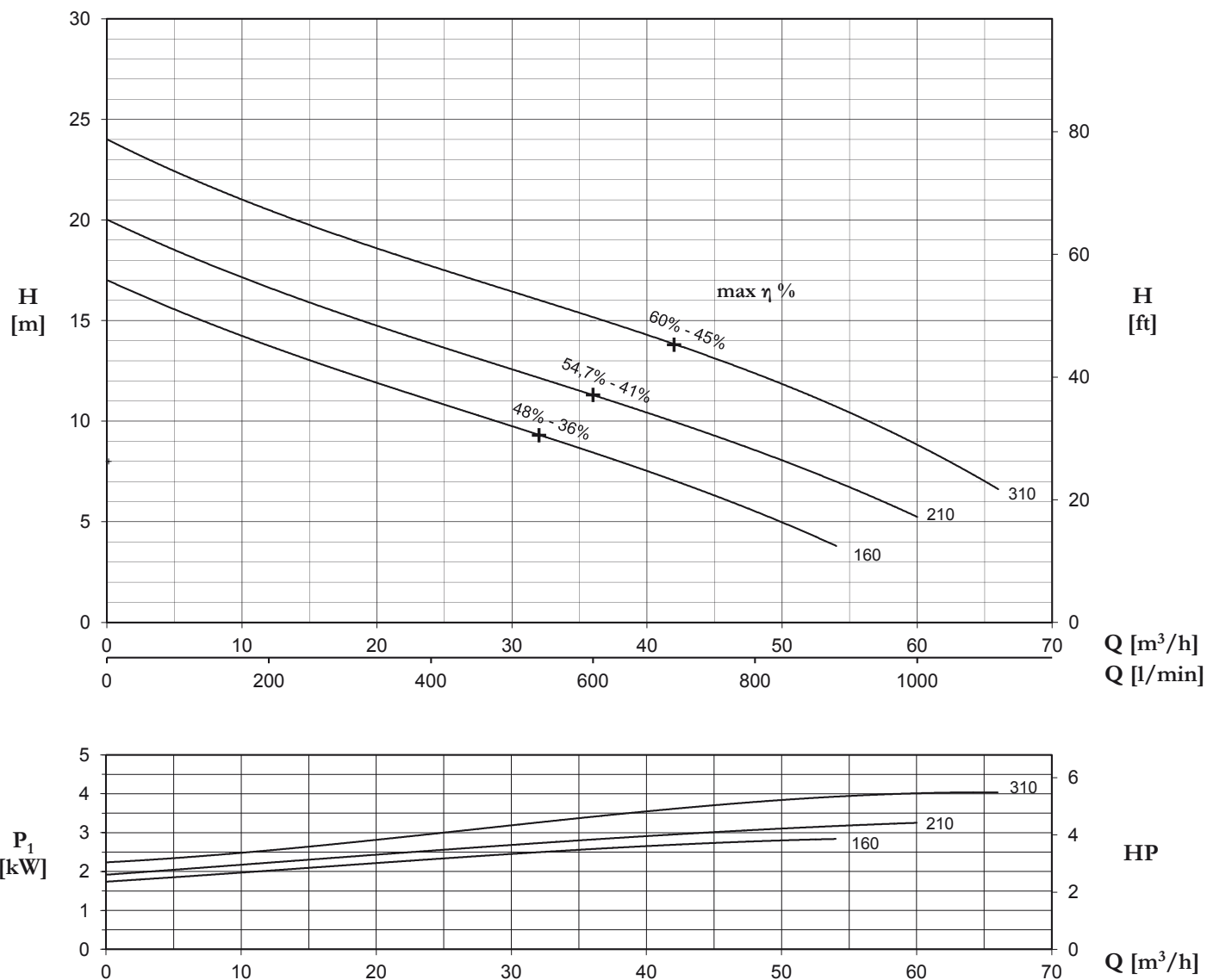
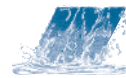
- Motore ad induzione a 2 poli, 50 Hz in bagno d'olio, adatto per il servizio continuo
- Grado di protezione: IP68, isolamento in classe F
- Alimentazione monofase 230V: per il funzionamento è necessario prevedere un quadro elettrico completo di condensatore (da 35 µF per la versione da HP 1,5; da 50 µF per la versione da 2 HP)
- Alimentazione trifase 400V

- *2 poles induction motor, 50 Hz in oil bath, suitable for continuous duty*
- *IP68 protection, Class F insulation*
- *230V Single-phase feeding: to operate the pump a control board with capacitor must be used (35 µF for the 1,5 HP version; 50 µF for the 2 HP version)*
- *400V Three-phase feeding*

LIMITI DI IMPIEGO / OPERATING CONDITIONS

- Temperatura del liquido pompato: 0-40°C
- Profondità max di immersione 20 m

- *Pumped liquid temperature: 0-40°C*
- *Max immersion depth 20 m*



CARATTERISTICHE TECNICHE A 2900 GIRI / TECHNICAL PERFORMANCE AT 2900 RPM

Modello Model		P2		A		Q (m³/h - l/min)												
						0	6	12	18	24	30	36	42	48	54	60	66	78
1~	3~	(HP)	(kW)	1x230V	3x400V	H (m)												
DM 160	DM 160T	1,5	1,1	12,5	4,4	17,0	15,3	13,8	12,3	11,0	9,8	8,4	7,1	5,5	3,8			
DM 210	DM 210T	2	1,5	15	5,5	19,9	18,4	16,7	15,2	13,8	12,4	11,3	10,1	8,6	7,0	5,2		
	DM 310T	3	2,2		6,9	23,9	22,2	20,6	19,1	17,8	16,3	15,0	13,8	12,3	10,9	9,1	6,4	

Passaggio Solidi 50 mm
 Free passage 50 mm



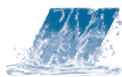
DM 160 - 560



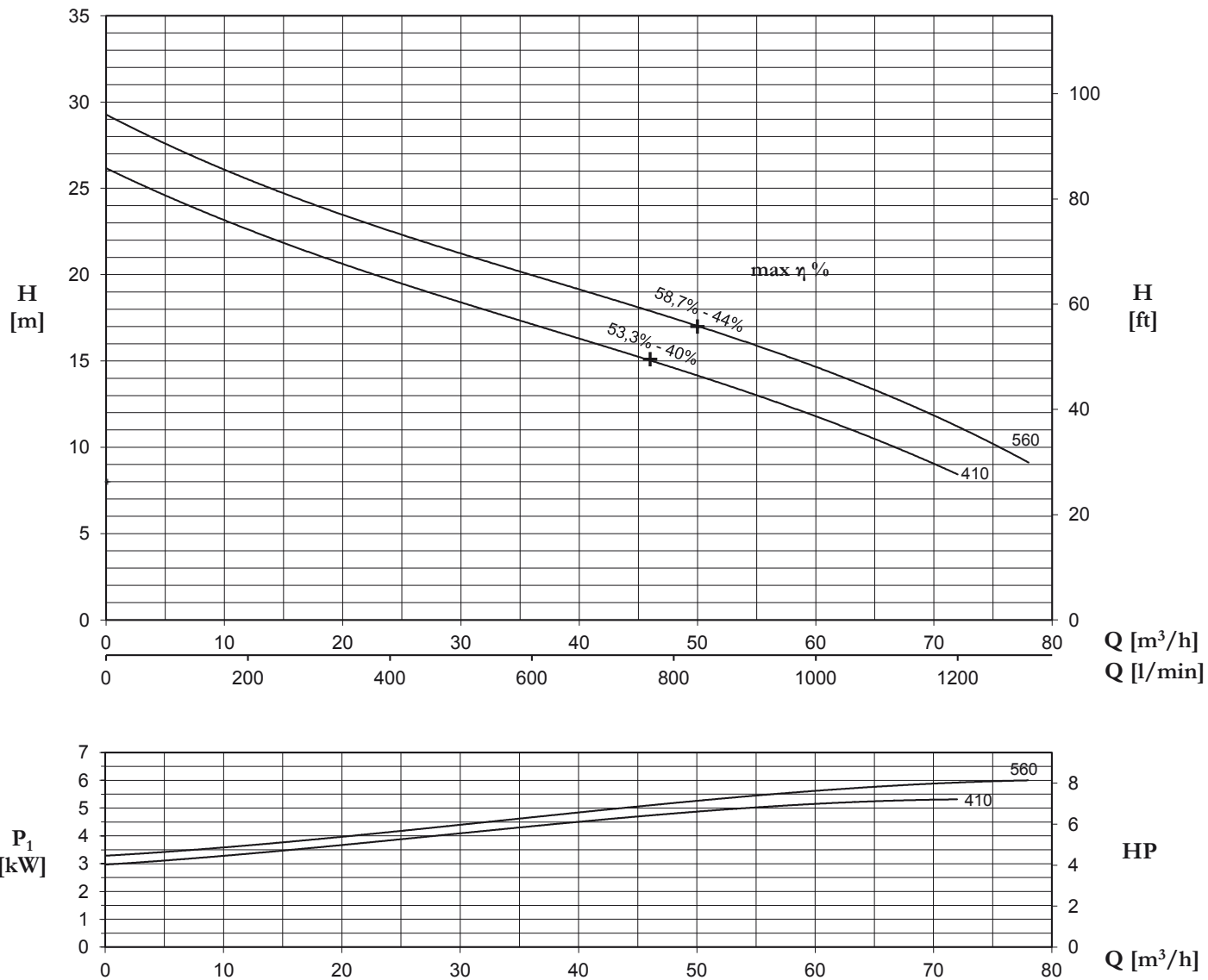
DM 1000

+ max η %: rendimento idealeico massimo e rispettivo rendimento totale

Maximum hydraulic efficiency and respective total efficiency

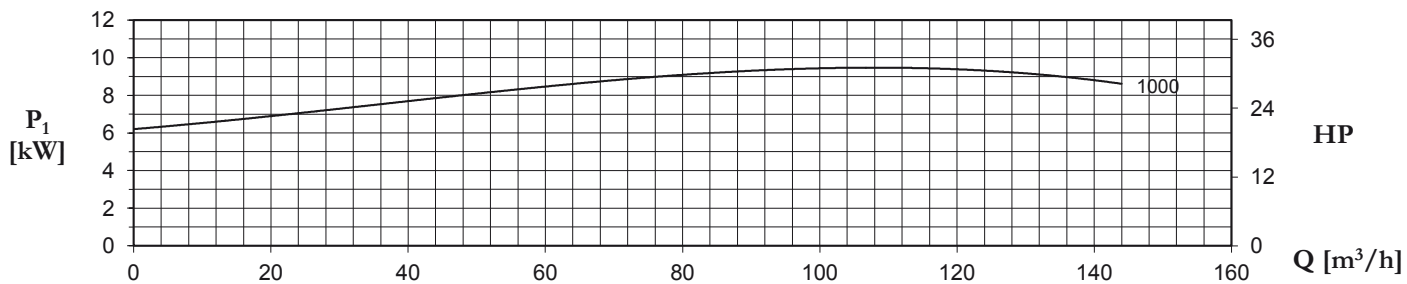
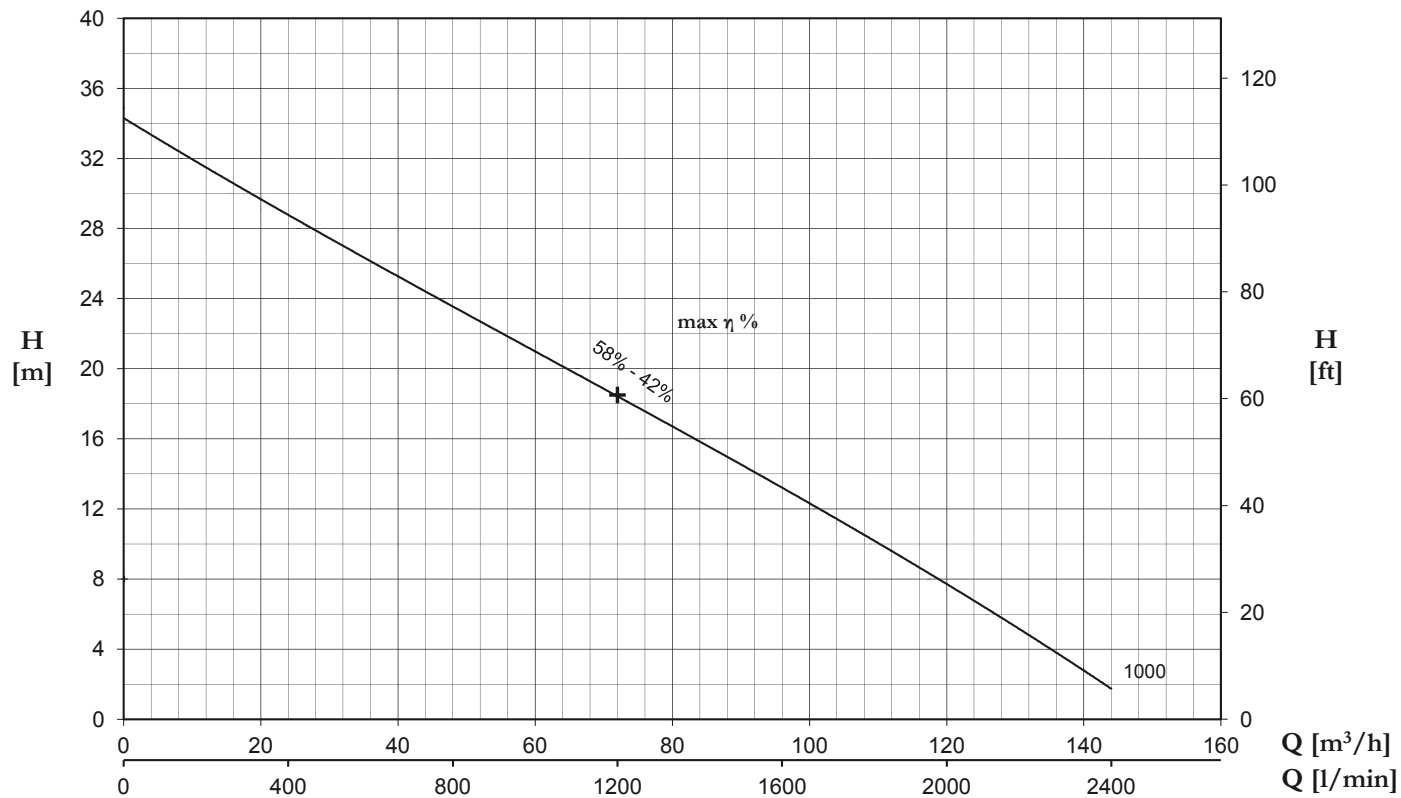
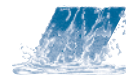


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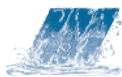
CARATTERISTICHE TECNICHE A 2900 GIRI / TECHNICAL PERFORMANCE AT 2900 RPM

Modello <i>Model</i>	P2		A	Q (m³/h - l/min)									
				0	6	18	30	42	54	60	66	72	78
3~	(HP)	(kW)	3x400V	0	100	300	500	700	900	1000	1100	1200	1300
				H (m)									
DM 410T	4	3	8,9	26,0	24,6	21,1	18,2	15,9	13,3	11,8	10,3	8,3	
DM 560T	5,5	4	10,2	29,1	27,5	24,1	21,1	18,6	16,1	14,7	13,1	11,4	8,9



CARATTERISTICHE TECNICHE A 2900 GIRI / TECHNICAL PERFORMANCE AT 2900 RPM

Modello <i>Model</i>	P2		A	Q (m³/h -l/min)													
				0	12	24	36	48	60	72	84	96	108	120	132	144	
3~	(HP)	(kW)	3x400V	0	200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	
				H (m)													
DM 1000T	10	7,4	16,3	34,9	30,9	28,3	26,1	23,7	21,3	18,7	16,1	13,2	10,2	7,4	4,6	2,1	

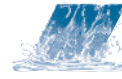
**DM**

MODELLO - MODEL	DIMENSIONI (MM) - DIMENSIONS (MM)							PESO WEIGHT
	CT	HT	R	IT	MT	MT	DNM	
DMT 160	551	123	117	191	243	513	65	42,5
DM 160-DMT 210	551	123	117	191	243	513	65	42
DM 210-DMT 310	551	123	117	191	243	513	65	43,5
DMT 410	645	148	160	210	285	600	80	70
DMT 560	645	148	160	210	285	600	80	72,5
DMT 1000	725	178	180	232	358	670	80	94

MODELLO - MODEL	DIMENSIONI (MM) - DIMENSIONS (MM)																		
	AF	BF	CF	CP	DF1	DF2	DP2	DNT	EF	GF	HF	I1	I2	IS	LS	MF	MF	DNM	
DMT 160 / P	303	145	560	260	200	639	542	1" 1/4	280	55	130	200	100	95	140	251	521	65	
DM 160 / P, DMT 210 / P	303	145	560	260	200	639	542	1" 1/4	280	55	130	200	100	95	140	251	521	65	
DM 210 / P, DMT 310 / P	303	145	560	260	200	639	542	1" 1/4	280	55	130	200	100	95	140	251	521	65	
DMT 410 / P	350	165	690	340	220	722	615	2"	319	85	190	250	140	130	180	327	642	80	
DMT 560 / P	350	165	690	340	220	722	615	2"	319	85	190	250	140	130	180	327	642	80	
DMT 1000 / P	370	165	745	340	240	750	638	2"	350	85	190	250	140	130	180	380	690	80	

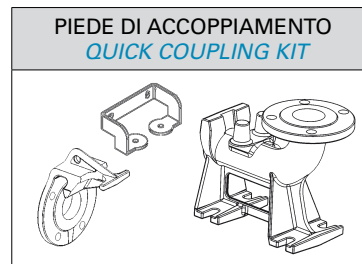
FLANGE UNI PN 10 (MM)			
DNM	K	D	N°... Ø...
65	145	185	4... 18...
80	160	200	8... 18...

MODELLO - MODEL	PROTECTION		CONTROL PANEL		
	1 X 230V	3 X 400V	1 X 230V	3 X 400V	400 / 690V
DM 160	PMC 15/35-15	PT 20-30-40/4.3-6.8	QSM + 35µF	QSMT 10	-
DM 210	PMC 20/50-18	PT 20-30-40/4.3-6.8	QSM + 50µF	QSMT 10	-
DMT 310	-	PT 40-50/5.7-9.1	-	QSMT 10	-
DMT 410	-	PT 55-75/8.6-13.5	-	QSMT 10	-
DMT 560	-	PT 55-75/8.6-13.5	-	QSMT 10	-
DMT 1000	-	PT 125-150/16-21	-	QSMT 15	QST 7

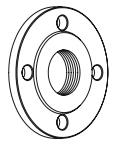


ELETTROPOMPE SOMMERGIBILI A GIRANTE MONOCANALE
 SUBMERSIBLE ELECTRIC PUMPS WITH SINGLE CHANNEL IMPELLER

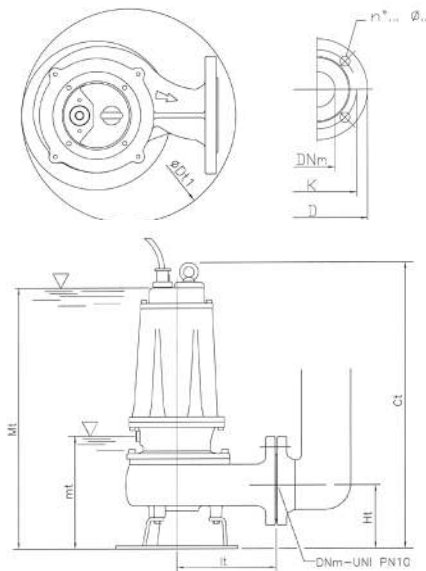
COMPONENTI / COMPONENTS	MATERIALI / MATERIALS
Corpo motore, parte idraulica <i>Motor housing, hydraulic part</i>	Ghisa grigia <i>Grey cast Iron</i>
Motore elettrico <i>Electric motor</i>	Asincrono, a bagno d'olio <i>Asynchronous type, oil immersed</i>
Albero (lato pompa) <i>Shaft (pump side)</i>	Acciaio inossidabile <i>Stainless Steel</i>
Tenuta meccanica lato motore <i>Motor side mechanical seal</i>	Ceramica Carbone <i>Carbon - Ceramic</i>
Tenuta meccanica lato pompa <i>Pump side mechanical seal</i>	Carburo di Silicio - Carburo di Silicio <i>Silicon Carbide - Silicon Carbide</i>
Bulloni <i>Bolts</i>	Acciaio inossidabile A2 <i>A2 Stainless Steel</i>
Supporto piede <i>Foot support</i>	Ferro zincato <i>Galvanized Iron</i>
Guarnizioni (O-Ring) <i>Gaskets (O-Rings)</i>	Gomma NBR <i>NBR Rubber</i>



Flangia
Counterflange



LIBERA - MOBILE INSTALLATION
 DM 160-1000



mt: livello minimo di lavoro
 Mt: livello minimo di servizio continuo
mt: lowest working level
Mt: lowest level for continuous duty

INSTALLAZIONE CON KIT PIEDE ACCOPPIAMENTO
 FIXED INSTALLATION WITH QUICK COUPLING KIT
 DMT 160-1000/P

