

DOMO SERIES

SUBMERSIBLE PUMPS WITH ENTRAINED SOLIDS

DOMO series electric pumps are available with twin-channel or vortex impeller (DOMO VX). Designed to handle suspended solids up to 50 mm in diameter (35 mm for DOMO 7 and DOMO 7VX).

Four basic models with 0.55 (0.75 HP) to 1.5 kW (2HP) rated power.

DRIVELUB SEAL SYSTEM.

APPLICATIONS

- Pumping of effluent (VX model handles also suspended filaments).
- Emptying of septic tanks and residential sumps.
- Draining of flooded basements and garages.

SPECIFICATIONS

- **Continuous duty** with **35°C** liquids and fully submerged pump.
- **Dry motor** (class F insulation).
- **IP 68 protection.**
- **H07RN-F** type neoprene power **cord.**
- **Maximum immersion depth: 5 m.**
- Versions:
 - Single-phase** 220-240 V 50 Hz 2 poles.
 - Three-phase** 380-415 V 50 Hz 2 poles.
- **Motor power:**
 - 0.55 to 1.1 kW for single-phase versions.**
 - 0.55 to 1.5 kW for three-phase versions.**
- The single-phase versions feature:
 - Pre-assembled float** (version without float available on request).
 - Built-in capacitor** (except for DOMO 15 and DOMO 15 VX models with control box on cable).
 - Thermal overload protection.**
- The **DOMO 7** and **DOMO 7VX** versions feature:
 - **Rp 1 1/2" delivery port** (female gas).
 - Handling of suspended **solids up to 35 mm** in diameter.
 - **Fiberglass-reinforced nylon impeller** (stainless steel impeller also available).



- The **DOMO 10-15-20** and **DOMO 10-15-20VX** versions feature:
 - **2" delivery port**, female ASP (can be turned into a flanged version if an optional accessory is installed).
 - Handling of suspended **solids up to 50 mm** in diameter.
 - **Stainless steel twin-channel or vortex impeller.**

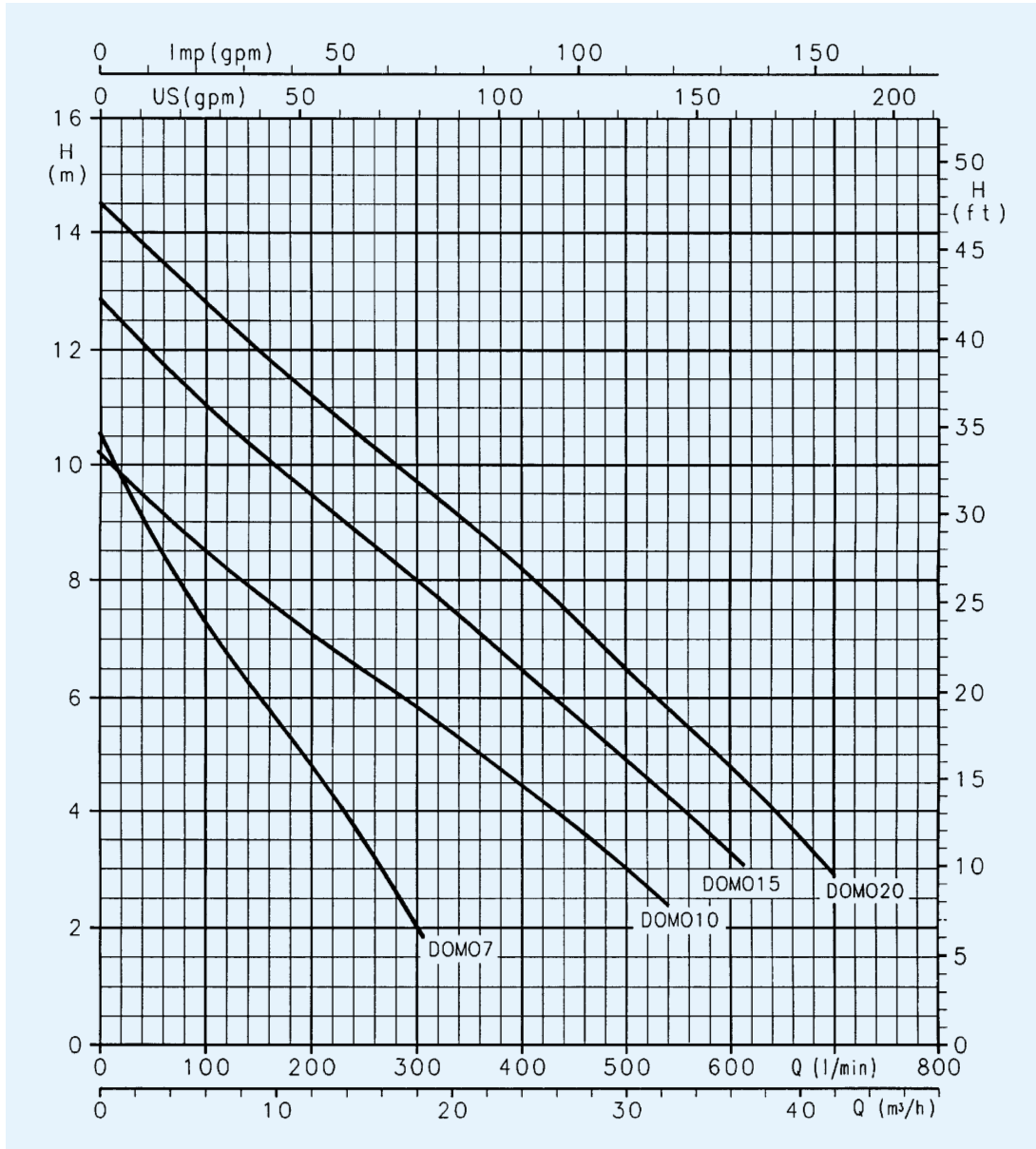
DRIVELUB SEAL SYSTEM

- Watertight electric motor protected by multiple seal system with **oil chamber. A V-ring and silicon carbide mechanical seal** (extremely resistant to wear and abrasion), as well as a **lip seal** which is continuously lubricated by the **DRIVELUB system**, provide an extremely efficient barrier against infiltration.

TABLE OF MATERIALS

PART	MATERIAL
Pump body, Motor casing	STAINLESS STEEL (AISI 304 - DIN 1.4301)
DOMO 7 (VX) impeller	FIBREGLASS-REINFORCED NYLON
DOMO 10-15-20 (VX) impeller	STAINLESS STEEL (AISI 304 - DIN 1.4301)
Inner mechanical seal	SILICON CARBIDE/ SILICON CARBIDE
Upper lip seal	NITRILE RUBBER
Shaft extension	STAINLESS STEEL (AISI 304 - DIN 1.4301)
Handle	NYLON

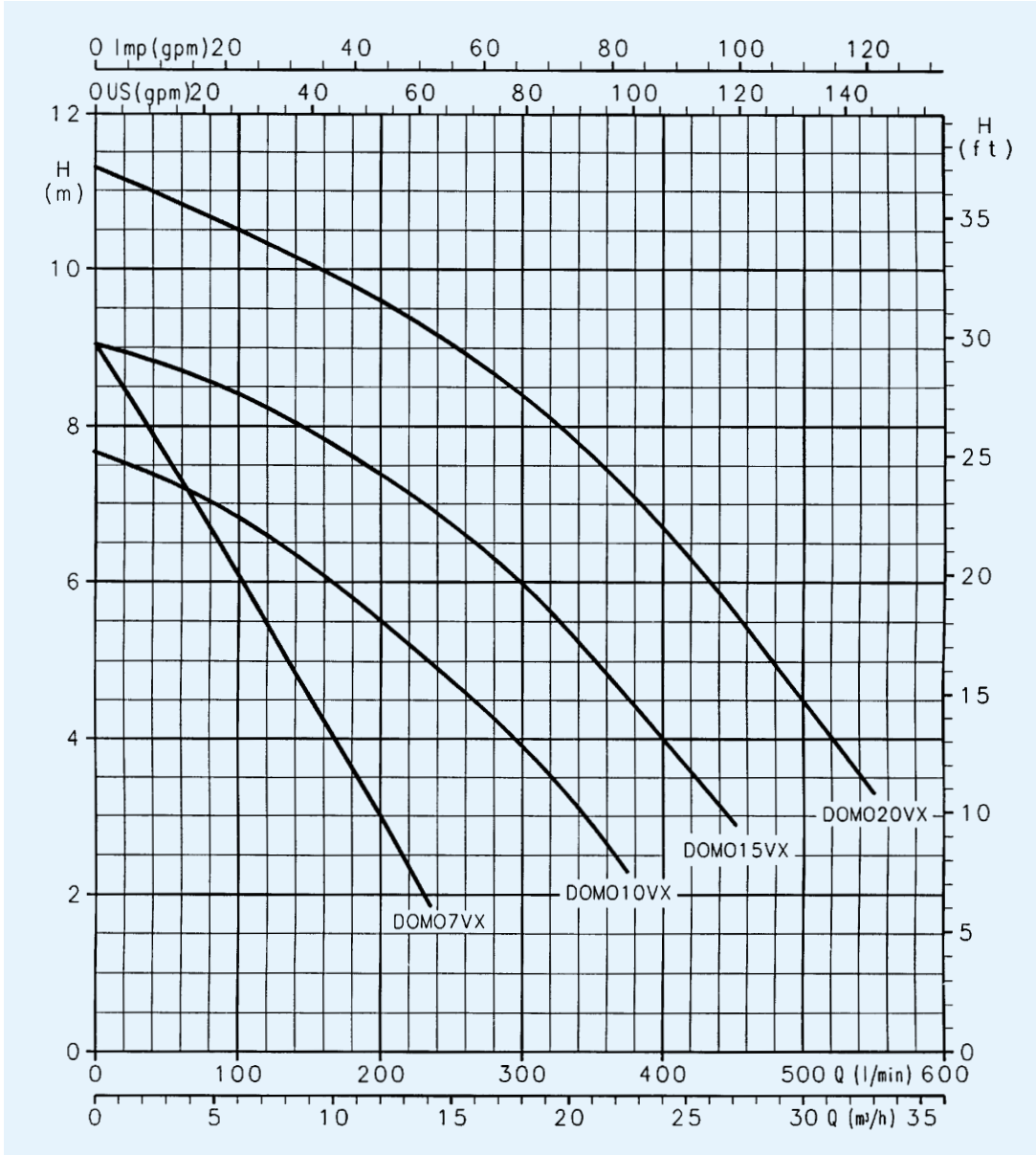
DOMO SERIES (TWIN CHANNEL IMPELLER) OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz



PUMPE TYPE		kW	HP	INPUT POWER		CAPACITOR		INPUT CURRENT IN AMP.			Q = DELIVERY													
MONOPHASE 220-240 V 50 Hz	TRIPHASE THREEPHASE 50 Hz			MONO- PHASE 220- 240 V	THREE- PHASE 380- 415 V	μF	V	MONO- PHASE 220- 240 V	THREE PHASE 220- 240 V	THREE PHASE 380- 415 V	l/min m³/h	50 3	100 6	150 9	200 12	250 15	300 18	350 21	400 24	450 27	500 30	600 36	700 42	
DOMO 7	DOMO 7T	0,55	0,75	0,72	0,7	16	450	3,3	2,15	1,3	8,8	7,3	6,1	4,8	3,4	2	-	-	-	-	-	-		
DOMO 10	DOMO 10T	0,75	1	1,15	1,15	22	450	5,1	3,5	2	9,3	8,5	7,8	7,1	6,5	5,8	5,2	4,5	3,7	3	-	-		
DOMO 15	DOMO 15T	1,1	1,5	1,6	1,65	30	450	7,1	4,8	2,8	11,9	11	10,2	9,5	8,7	8	7,3	6,5	5,7	4,9	3,3	-		
	DOMO 20T	1,5	2	-	2	-	-	-	6,2	3,6	13,7	12,8	12	11,2	10,4	9,7	9	8,2	7,3	6,5	4,8	2,9		

These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\gamma = 1 \text{ mm}^2/\text{sec}$.

**DOMO VX SERIES (VORTEX IMPELLER)
OPERATING CHARACTERISTICS AT 2850 rpm 50 Hz**



PUMP TYPE		kW	HP	INPUT POWER		CAPACITOR		INPUT CURRENT IN AMP.		Q = DELIVERY													
SINGLE-PHASE 220-240 V 50 Hz	THREE-PHASE 380-415 V 50 Hz			SINGLE-PHASE 220- 240 V	THREE-PHASE 380- 415 V	μF	V	SINGLE-PHASE 220- 240 V	THREE-PHASE 380- 415 V	l/min	50	100	150	200	250	300	350	400	450	500	600	700	
										m³/h	3	6	9	12	15	18	21	24	27	30	36	42	
H = TOTAL HEAD METERS COLUMN OF WATER																							
DOMO 7VX	DOMO 7VXT	0,55	0,75	0,72	0,7	16	450	3,3	1,3	7,6	6,1	4,6	3	-	-	-	-	-	-	-	-	-	-
DOMO 10VX	DOMO 10VXT	0,75	1	1,18	1,2	22	450	5,2	2,1	7,3	6,8	6,2	5,5	4,8	3,9	2,9	-	-	-	-	-	-	-
DOMO 15VX	DOMO 15VXT	1,1	1,5	1,4	1,4	30	450	6,2	2,5	8,8	8,4	8	7,4	6,8	6	5	4	2,9	-	-	-	-	-
	DOMO 20VXT	1,5	2	-	1,85	-	-	-	3,4	10,9	10,5	10,1	9,6	9,1	8,4	7,6	6,7	5,7	4,5	-	-	-	-

These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\gamma = 1 \text{ mm}^2/\text{sec}$.