

TYPE:

DIABLO

HORIZONTAL SINGLE-BODY CENTRIFUGAL PUMP IN SUPERALLOY ANTI-ABRASIVE

M

FIELDS OF APPLICATION:

A horizontal axis pump mainly used to feed filter presses in the mining and aggregates sectors, also finding its way into other industries. It is a single-body pump capable of achieving a maximum closed pressure of 10 bar and a maximum flow rate range of 1000 l/min to 9000 l/min. Impeller, body and wear flange are made of super hard cast iron to withstand the maximum possible abrasion. It is equipped with tungsten carbide or silicon carbide mechanical seals flushed with clean water and oil-bath bearings. DIABLO pumps can be supplied with single or double speed motors and with standard coupling by means of belts and pulleys.

TECHNICAL FEATURES

- AXIS:** with oil-bath lubricated bearings.
- MATCHING:** by means of belts and trapezoidal pulleys with protective casing.
- BODY:** n° in chrome cast iron and vertical delivery.
- IMPELLER:** n° 1 made of dynamically balanced open-type super-alloy with a hardness of approximately 750-800HB.
- SEALS:** double mechanical seal with rings made of silicon carbide or tungsten flushed with clean water.
- BASE:** steel frame to support pump on the floor

STANDARD EQUIPMENT

- Oil temperature probe
- Flow kit with flow switch

OPTIONAL

- Pressure switch
- Bearing cooling
- Closed circuit flushing kit
- Control panel with inverter and integrated software available



SECTORS

MINING
AGGREGATES
SOIL WASHING
INDUSTRIAL

MADE IN ITALY

HPT
HIGH PRESSURE
TECHNOLOGY
10 BAR

OPERATING CHARACTERISTICS

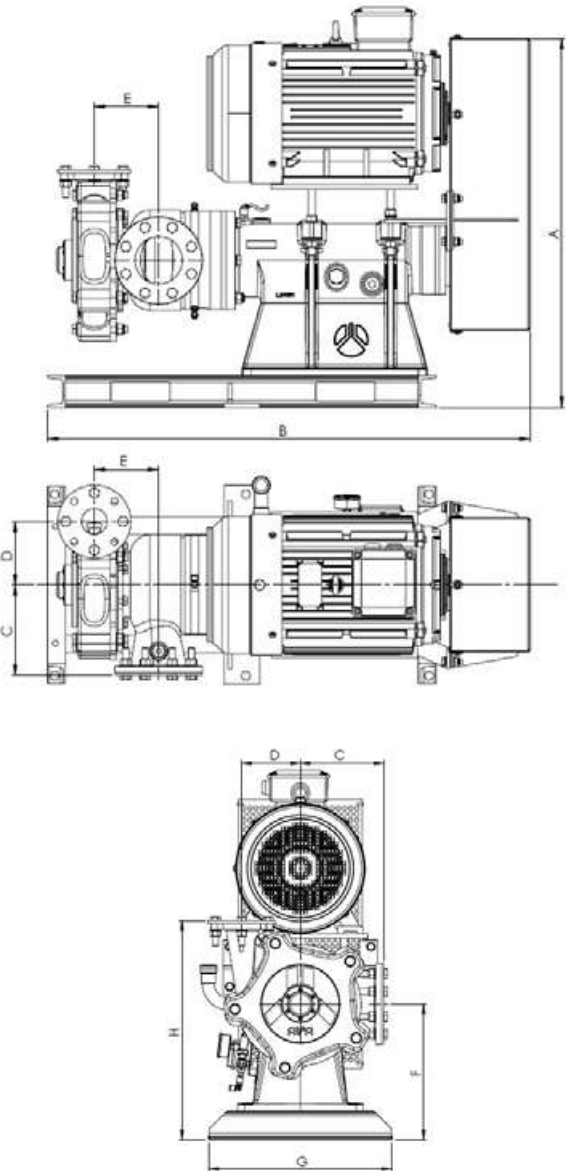
PUMPS	MAX FLOW RATE		MAX PRESSURE		PIPES		MOTOR (4P)
	m³/h	l/l'	m/H₂o	bar*	DN Int.	DN Out.	[Kw]
DBL550-1H	70	1160	63	8	100	50	18.5-22-30
DBL650-1H	120	2000	65	8	100	50	22-30-37
DBL1025-1H	180	3000	55	7.5	150	75	30-37-45
DBL1050-1H	250	4150	70	9	200	125	37-45-55
DBL220-1H	560	9300	70	9,6	250	200	75-90

*Sludge pressure at density 1.4 kg/dm3

DIMENSIONAL

PUMPS	SIZE [mm]								WEIGHT [kg]
	A	B	C	D	E	F	G	H	
DBL550-1H	932	1223	229	161	173	373	500	601	550
DBL650-1H	961	1223	324	180	118	342	500	692	850
DBL1025-1H	1073	1288	412	208	174	491	600	755	1000
DBL1050-1H	1073	1261	510	245	223,5	491	600	798	1260
DBL220-1H	1277	1657	604	300	233,5	477	730	905	1400

Indicative dimensions and weights



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