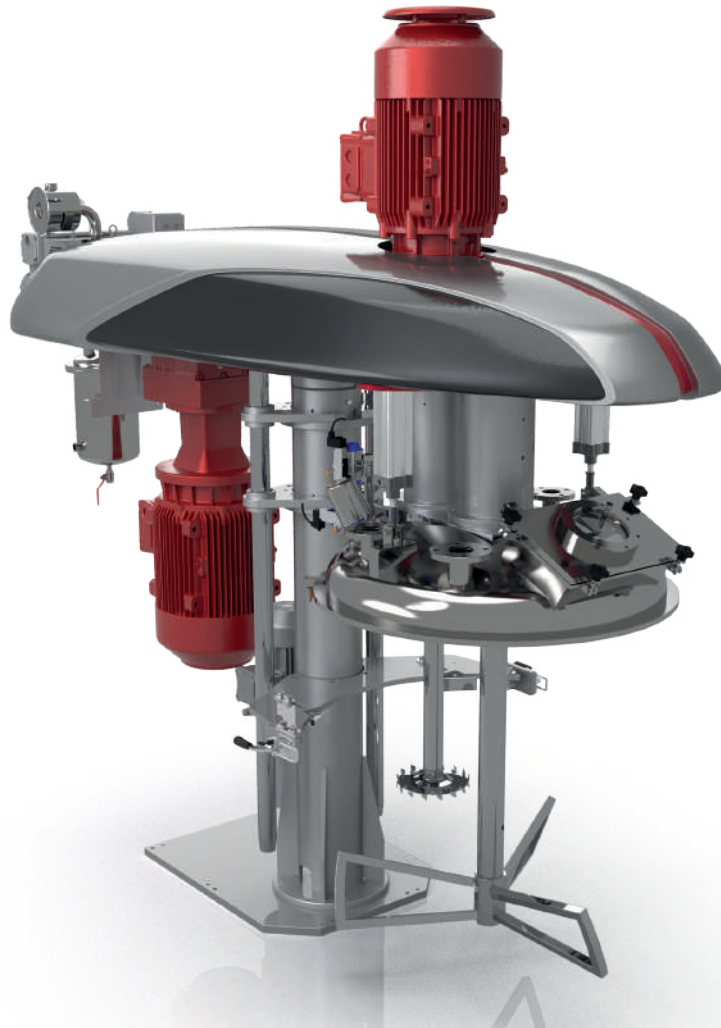


DYNAMIX DCLV

DOUBLE SHAFT MOBILE VESSEL DISPERSER

DYNAMIX DCLV mobile vessel Dispersers are machines for medium and high viscosity products dispersion and mixing, engineered and manufactured to work in difficult industrial conditions. Equipped with a double shaft, with a high-speed dispersion shaft and a mixing shaft with scraping blades, which can also be configured in vacuum version, they can meet every production need thanks to a wide range of engines up to 110 kW. This allows to manage products with viscosities from 50,000 Cp up to 1,000,000 Cp and batches up to 3,000 lt.



ADVANTAGES

- Innovative technology enabling INDUSTRY 4.0 that optimizes business processes in terms of management time, costs and quality
- Continuous process control thanks to internal PLC
- Total integration with the production flow and the company ERP
- Efficient recipe management, high product repeatability and reduction of production waste
- Minimization of breakdowns and unwanted downtime by predictive maintenance indicators
- Remote assistance for immediate customer support
- Special design allowing for an easy maintenance of the transmission system

TECHNICAL FEATURES

- Carbon steel supporting structure with anti-vibration reinforcements
- Rectified and chromed steel telescopic head holder column
- High thickness sheet metal head with anti-vibration reinforcements and pulley protection casings
- Transmission by belt and pulleys
- Hydraulic lifting unit with electric pump embedded in the command group

High-speed dispersion shaft with:

- Shaft support with high performance ball bearings
- AISI 304 stainless steel high-speed dispersion shaft
- Main engine coaxial to the high-speed dispersion shaft
- AISI 304 stainless steel Cowles type toothed impeller

Mixing shaft with:

- Shaft support with high performance ball bearings
- AISI 304 stainless steel mixing shaft
- Gear motor directly coupled to the mixing shaft
- AISI 304 stainless steel butterfly impeller
- Three scraping blades applied to the butterfly impeller by a AISI 304 stainless steel structure

- Height-adjustable impellers with head gliding during mixing
- Different dust and liquid supply systems integrated in the lid
- Vessel locking system:
 - **Fast Dumping**, characterized by easy entering of the vessel, fast locking and high resistance to lateral loads. Manual locking clamps with safety micro-contact for machine start only when the vessel is blocked
 - **Double Centering Arm**, characterized by fork opening of the arms with automatic centering of the vessel under the dispersion impeller while the support saddles facilitate the correct positioning of the vessel. The worm screw with increased thread guarantees an easy opening and closing of the locking system. High resistance to lateral loads. Possibility of motorizing the opening and closing of the locking system
- Electronic speed variation with inverter
- Also available in ATEX version

INDUSTRY 4.0 READY

- Internal PLC
- Intuitive touch interface for the operator
- Ethernet connections

INDUSTRY 4.0 OPTIONAL

- Wi-Fi operator control panel
- Router for remote assistance
- Latest generation MISURA software
 - Preventive maintenance indicators
 - OEE (Overall Equipment Effectiveness) indicators
 - Panel with digital pointers
 - Software interface with customer ERP



CONFIGURATION

Model	Double shaft	Gliding flat lid G	Gliding lid G rounded for vacuum version SV
F-G Model	X	X	
SV-G Model	X		X

ACCESSORIES

- Safety clamps for vacuum version machines
- Lifting column with external fairing
- Reinforced vessel with cavities for cooling and external insulation for heating
- Reinforced extruder-ready vessel
- Servo-ventilated engine for main engine forced cooling
- Product temperature sensor integrated into the mixing shaft
- Safety pressure switch
- Working cycle timer
- Butterfly and ball valves for raw materials loading
- Integrated weighing platform system through base with load cells
- Washing system (only in case of a rounded lid with lid-vessel locking clamps):
 - with rotating washing heads fixed on the lid
 - with motorized immersion lance and rotating washing head

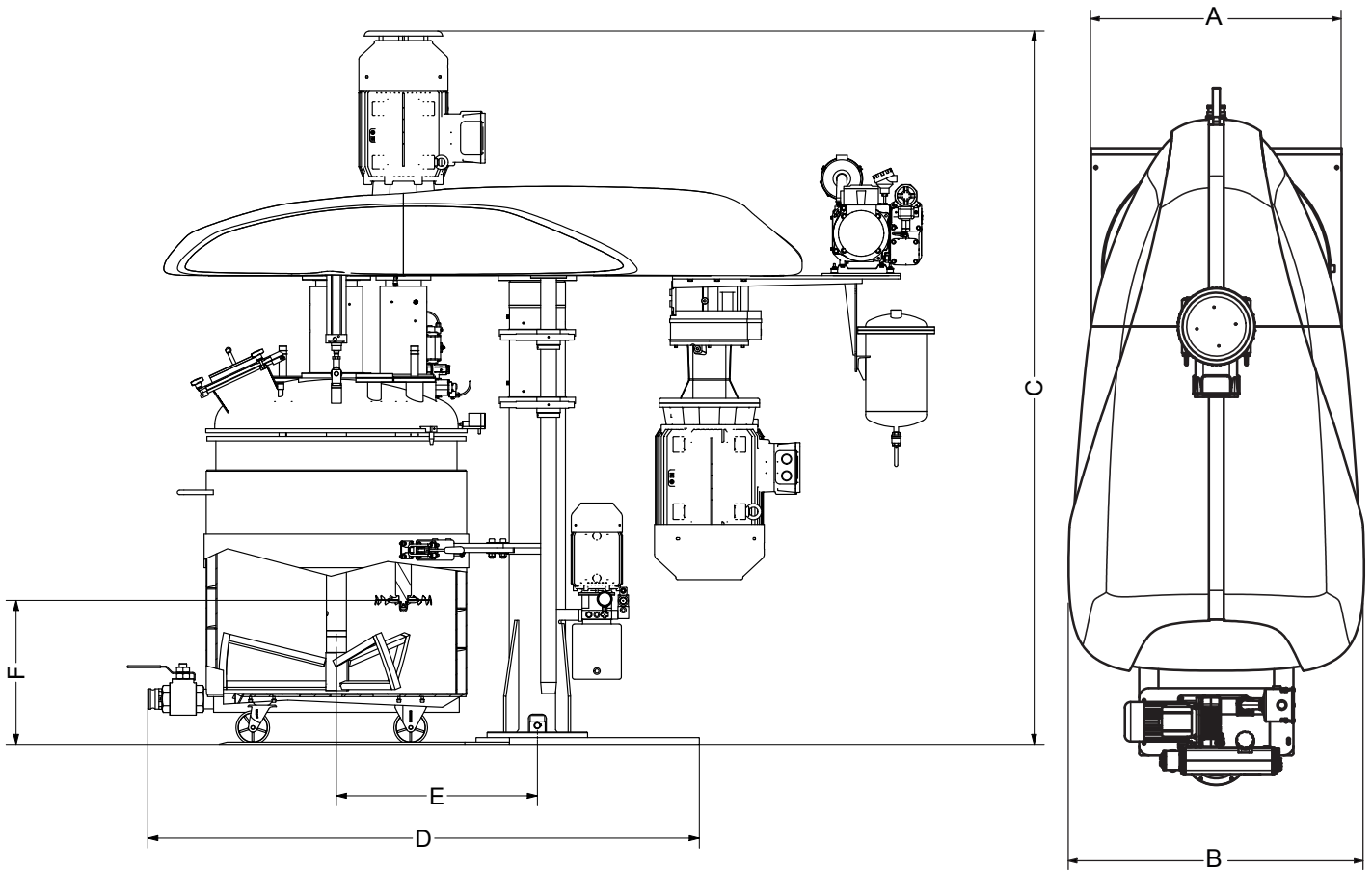
TECHNICAL DATA

Model	Mixing shaft engine power		Dispersing shaft engine power		Head lifting engine power		Vacuum pump engine power		Vacuum pump payload	Mixing shaft revolutions per minute	Dispersing shaft revolutions per minute	Cowles impeller diameter (mm)	Maximum useful volume (lt)*
	Kw	Hp	Kw	Hp	Kw	Hp	Kw	Hp					
DCLV 40	22	30	7,5	10	1,5	2	2	2,7	63	0-400	0-1400	180-200	350
DCLV 50	22	30	7,5	10	1,5	2	2	2,7	63	0-400	0-1400	200-220	400
DCLV 60	30	40	15	20	2,2	3	2	2,7	63	0-300	0-1400	220-250	570
DCLV 75	37	50	18,5	25	2,2	3	2	2,7	63	0-250	0-1400	250-270	570
DCLV 100	55	75	18,5	25	4	5,5	2	2,7	63	0-250	0-1400	270-300	950
DCLV 125	75	100	18,5	25	4	5,5	2,7	3,6	100	0-250	0-1400	320-350	1050
DCLV 150	75	100	37	50	4	5,5	2,7	3,6	100	0-200	0-1400	350-380	1150
DCLV 175	90	125	37	50	4	5,5	5,5	7,4	165	0-200	0-1400	380-400	1250
DCLV 225	110	150	55	75	4	5,5	5,5	7,4	165	0-200	0-1400	430-450	1450

*referred to polyester putty for bodywork

DATA ARE PROVIDED FOR INDICATIVE PURPOSES ONLY

DIMENSIONS



Model	Machine dimensions (mm)					
	A	B	Cmin-Cmax	D	E	F
DCLV 40	1200	1550	2380 - 3650	2850	950	350
DCLV 50	1400	1550	2380 - 3650	2850	950	350
DCLV 60	1400	1550	2380 - 3650	2850	950	350
DCLV 75	1500	1550	2380 - 3650	2850	950	400
DCLV 100	1500	1550	2500 - 3750	2850	950	400
DCLV 125	1700	1000	2700 - 4000	3100	1150	500
DCLV 150	1700	1000	2700 - 4000	3500	1150	500
DCLV 175	1700	1000	2700 - 4000	3500	1150	500
DCLV 225	1700	1000	2700 - 4000	3500	1150	500

APPLICATIONS

Paints, thick coatings, sealants, adhesives, plasters, putties