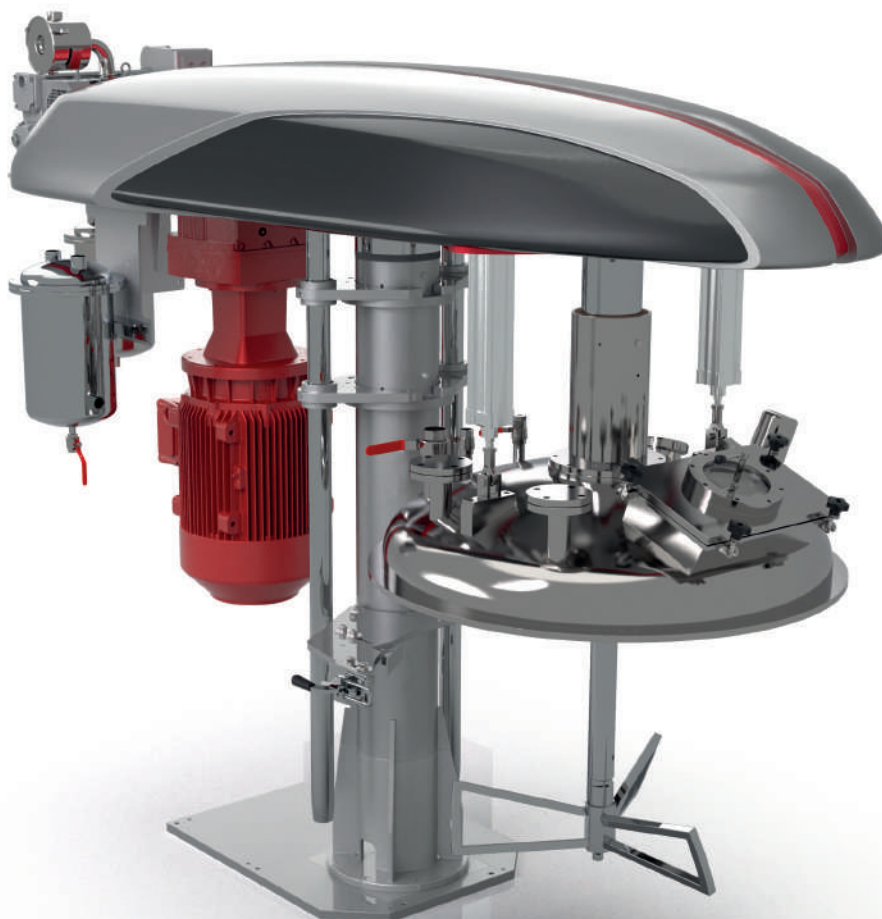


DYNAMIX DCL

SINGLE SHAFT MOBILE VESSEL DISPERSER

DYNAMIX DCL mobile vessel Dispensers are machines for medium and high viscosity products mixing, engineered and manufactured to work in difficult industrial conditions. Equipped with a single mixing shaft, also configurable with scraper and 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
- 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 impeller 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

CONFIGURATIONS

Model	Single shaft	Single shaft with motorized internal scraper RI	Gliding flat lid G	Gliding lid G rounded for vacuum version SV
F-G Model	X		X	
RI-G Model		X	X	
SV-G Model	X			X
RI-SV-G Model		X		X

ACCESSORIES

- Motorized internal scraper with opposite movement compared to the dispersion impeller, which can keep the vessel wall constantly clean, conveying the product to the central area even during the disareation phases (in place of the three scraping blades applied to the butterfly impeller)
- Safety clamps for vacuum version machines
- Lifting column with external fairing
- Reinforced vessel with cooling cavities and external insulation for heating
- Reinforced extruder-ready vessel
- Servo-ventilated engine for main engine forced cooling
- Product temperature sensor integrated into the 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

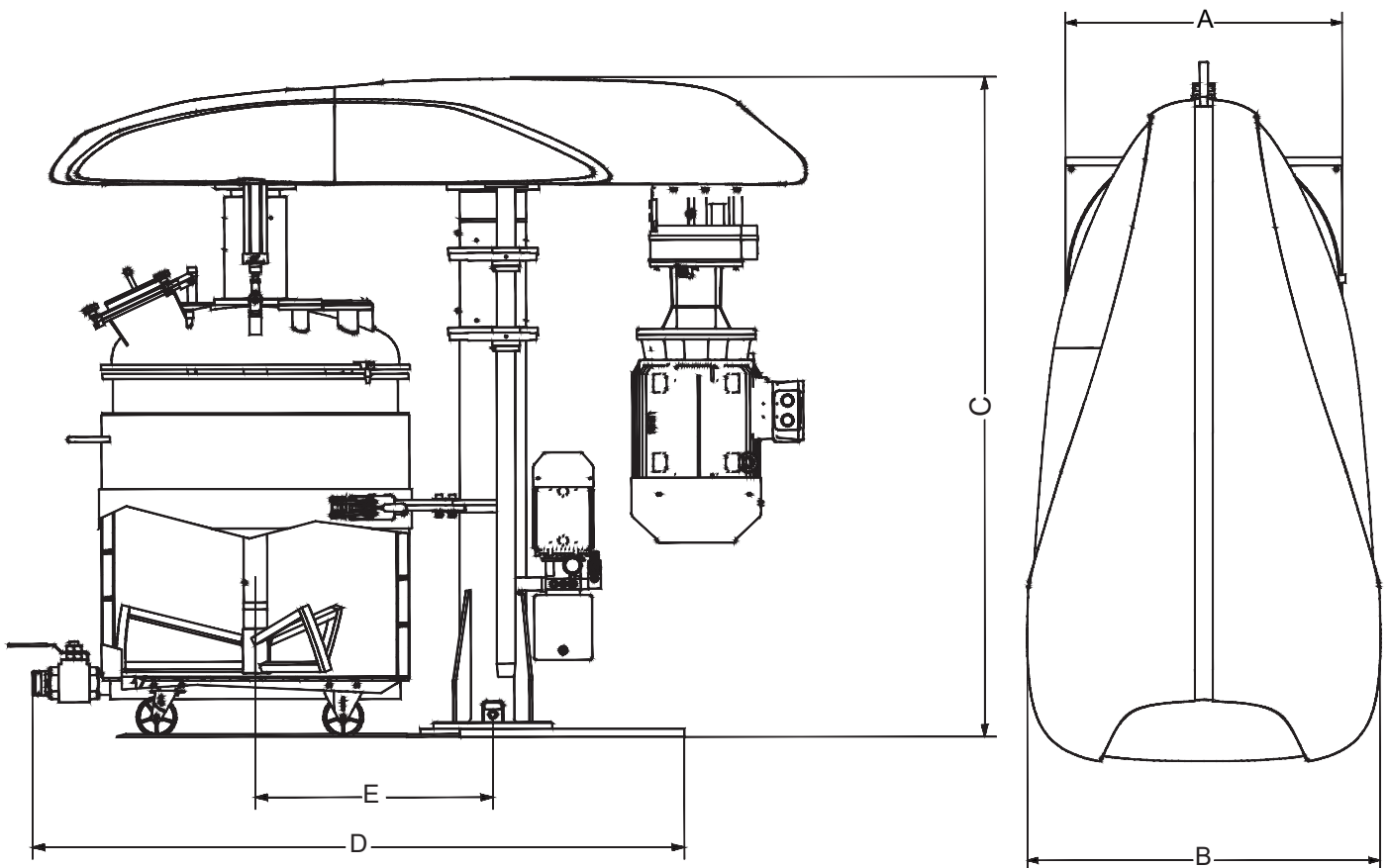
TECHNICAL DATA

Model	Main engine power		Head lifting engine power		Vacuum pump engine power		Vacuum pump payload	Revolutions per minute	Maximum useful volume (lt)*
	Kw	Hp	Kw	Hp	Kw	Hp			
DCL 30	22	30	1,5	2	2	2,7	63	0-400	350
DCL 40	30	40	2,2	3	2	2,7	63	0-400	400
DCL 50	37	50	2,2	3	2	2,7	63	0-300	570
DCL 60	45	60	2,2	3	2	2,7	63	0-250	570
DCL 75	55	75	2,2	3	2	2,7	63	0-250	950
DCL 100	75	100	3	4	2,7	3,6	100	0-250	1050
DCL 125	90	125	3	4	2,7	3,6	100	0-200	1150
DCL 150	110	150	3	4	5,5	7,4	165	0-200	1250

*referred to polyester putty for bodywork

DATA ARE PROVIDED FOR INDICATIVE PURPOSES ONLY

DIMENSIONS



Model	Machine dimensions (mm)				
	A	B	Cmin-Cmax	D	E
DCL 30	1200	1550	2380 - 3650	2850	950
DCL 40	1200	1550	2380 - 3650	2850	950
DCL 50	1400	1550	2380 - 3650	2850	950
DCL 60	1400	1550	2380 - 3650	2850	950
DCL 75	1500	1550	2380 - 3650	2850	950
DCL 100	1500	1000	2500 - 3750	3100	1150
DCL 125	1700	1000	2700 - 4000	3500	1150
DCL 150	1700	1000	2700 - 4000	3500	1150

APPLICATIONS

Thick coatings, glues, putties, sealants, cosmetic products, plasters, polyesters, silicones, adhesives, plastic materials