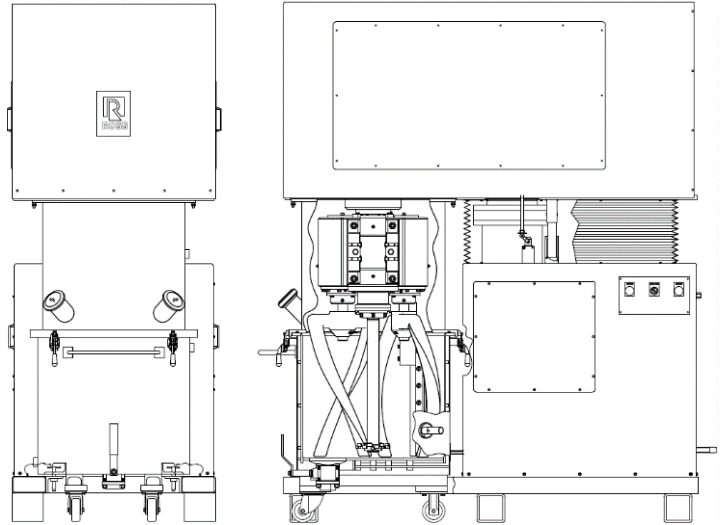


# PDDM Specifications and Dimensions

## STANDARD FEATURES:

- Change can design
- Air/oil hydraulic lift to raise and lower agitators to and from the mixing position.
- Two (2) Rectangular Stirrers or High Viscosity “HV” Blades and two (2) High Speed Dispersers
- Agitator drive components and lift system are fully sheathed
- Stainless steel type 304 wetted parts with 80 grit polish
- Non-stainless steel components are finished with a durable two-part epoxy coating
- TEFC 230/460 volt, 3 phase, 60 Hz motors
- Heavy duty carbon steel sealed gearbox with special gearing and belt drive design. Viton lip seals with carbon steel housings on the stirrer shafts.
- Safety limit switches prevent operation of the mixer when the vessel or agitators are not in the mixing position
- Mixer cover is easily removed providing access to upper gearbox area for simple maintenance and cleaning



## AVAILABLE OPTIONS:

- Full vacuum design
- Wetted parts can be stainless steel type 316, Hastelloy or other special alloys
- Sanitary design with special seals, polishes, connections and stainless steel sheathing
- Second disperser blade added to each HSD shaft
- Sidewall scraper arm and bottom scraper with replaceable Teflon blade
- Internal pressure design
- Sight/charge ports, inlet/outlet nozzles and tank light
- Temperature probes, pressure transducers and other sensors
- Jacketed mix vessel for heating and/or cooling
- Internally-machined mix vessel for use with Ross Discharge System and scraper(s) and applications requiring close blade-to-bowl clearances
- Controls including variable frequency drives, explosion-proof operator stations and PLC recipe controls
- Vacuum pump, heater, chiller and other auxiliary equipment

Model	Mixing Capacity gallons	Planetary Stirrers			High Speed Disperser		Raised Overall Height inches	Lowered Overall Height inches	Overall Width inches	Overall Length inches	Mix Vessel Overall Height inches	Mix Vessel Inner Diameter inches	Mix Vessel Depth inches	Weight lbs
		HP	Orbital RPM	Stirrer RPM	HP	RPM								
PDDM-10	2.5 - 10	5	6 - 24	8 - 34	15	900 - 3600	80	65	32.5	65	16.3	18	13.5	3500
PDDM-40	10 - 40	15	4 - 18	5 - 20	30	710 - 2840	107	84	35.5	74	25.4	25	22	6750
PDDM-100	25 - 100	30	5 - 20	6 - 27	60	438 - 1750	149	115	44	96	31.8	34.5	28.5	14500
PDDM-200	50 - 200	40	6 - 23	7 - 25	75	368 - 1479	166	132	50	115	37	44	34	22000
PDDM-500	125 - 500	Per Application					259	211	122	108	48	66	42	TBD
PDDM-750	190 - 750						294	228	122	108	66	66	60	TBD



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