



# Continuous Flow Grain Driers

**PERRY - M2 / M3 / M4 / M5 / M6 standard drier specification:**

Fully galvanised specification drier, Hard wired control panel, Feed on demand facility (probes extra, Automatic moisture control 3ph 415volt electric's, Continuous discharge roller system, On site commissioning. NOTE: Rest platforms if required are price on application.

Capacities are based on clean Barley at 700 KG/m3 with 5% moisture extraction (20% to 15% M.C w.b) at ambient temperature of 15degrees C and a relative humidity of 80%, (We also assume mature, clean grain, no restrictions to airflow with drier stabilised.

These figures are a guideline only and actual throughputs may vary usually by no more than 10% **Options available:** 1 x D silencers, access platform & ladder, outdoor specification, pre assembly of drying zones, reserve section, roof & access platform.

DRIER MODEL	M206	M207	M208	M209	M210	M211	M212	M213	M214	M215
Overall height (mm)(Ground level to inlet)	6340	6980	7440	7990	8540	9090	9640	10190	10740	11290
Clearance under discharge hopper	420	420	420	420	420	420	420	420	420	420
Number of fans x KW each	1 X 7.5	1 X 7.5	1 X 8.6	1 X 11	1 X 11	1 X 13.6	2 X 7.5	2 X 7.5	2 X 7.5	2 X 8.6
Burner 3 stage x KW each	1 X .75	1 X .75	1 X .75	1 X .75	1 X 1.1	1 X 1.1	1 X 1.5	1 X 1.5	1 X 1.5	1 X 1.5
Discharge motor x KW each	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75
Total KW	9.00	9.00	10.10	12.50	12.85	15.45	17.25	17.25	17.25	19.45
Holding capacity (tonnes)	11.0	12.0	13.0	14.5	15.5	17.0	18.5	19.5	21.0	22.0
Average drier throughput @ 125C(tonnes/hr)	<b>8.5</b>	<b>10.0</b>	<b>11.0</b>	<b>13.0</b>	<b>15.0</b>	<b>16.0</b>	<b>18.5</b>	<b>20.5</b>	<b>22.0</b>	<b>23.0</b>
Average drier throughput @ 100C(tonnes/hr)	<b>6.5</b>	<b>7.5</b>	<b>8.5</b>	<b>10.0</b>	<b>11.5</b>	<b>12.5</b>	<b>14.0</b>	<b>15.5</b>	<b>16.5</b>	<b>18.0</b>
Average drier throughput @ 70C (tonnes/hr)	4.0	4.5	5.0	6.0	6.5	7.0	8.0	9.0	10.0	10.5
Average drier throughput @ 60C (tonnes/hr)	3.0	3.5	4.0	5.0	5.5	6.0	7.0	7.5	8.0	8.5

DRIER MODEL	M306	M307	M308	M309	M310	M311	M312	M313	M314	M315
Overall height (mm)(Ground level to inlet)	6340	6980	7440	7990	8540	9090	9640	10190	10710	11290
Clearance under discharge hopper	420	420	420	420	420	420	420	420	420	420
Number of fans x KW each	1 X 11	1 X 11	1 X 13.6	2 X 7.5	2 X 8.6	2 X 11	2 X 11	2 X 13.6	2 X 13.6	3 X 8.6
Burner 3 stage x KW each	1 X .75	1 X 1.1	1 X 1.1	1 X 1.5	1 X 1.5	1 X 2.2	1 X 2.2	1 X 2.2	1 X 2.2	1 X 2.2
Discharge motor x KW each	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75
Total KW	12.50	12.85	15.45	17.25	19.45	24.95	24.95	30.15	30.15	28.75
Holding capacity (tonnes)	16.0	18.0	19.5	22.0	23.0	25.5	28.0	29.0	31.5	33.0
Average drier throughput @ 125C(tonnes/hr)	<b>12.8</b>	<b>15.0</b>	<b>16.5</b>	<b>19.5</b>	<b>22.5</b>	<b>24.0</b>	<b>28.0</b>	<b>31.0</b>	<b>33.0</b>	<b>34.5</b>
Average drier throughput @ 100C(tonnes/hr)	<b>9.5</b>	<b>11.5</b>	<b>12.5</b>	<b>14.5</b>	<b>17.0</b>	<b>18.0</b>	<b>21.0</b>	<b>23.0</b>	<b>24.5</b>	<b>26.0</b>
Average drier throughput @ 70C (tonnes/hr)	5.5	6.5	7.5	8.5	10.0	10.5	12.5	14.0	14.5	15.5
Average drier throughput @ 60C (tonnes/hr)	4.5	5.0	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.0

DRIER MODEL	M406	M407	M408	M409	M410	M411	M412	M413	M414	M415
Overall height (mm)(Ground level to inlet)	6340	6980	7440	7990	8540	9090	9640	10190	10710	11290
Clearance under discharge hopper	420	420	420	420	420	420	420	420	420	420
Number of fans x KW each	2 X 7.5	2 X 7.5	2 X 8.6	2 X 11	2 X 11	2 X 13.6	3 X 8.6	3 X 11	3 X 11	3 X 11
Burner 3 stage x KW each	1 X 1.1	1 X 1.5	1 X 1.5	1 X 2.2	1 X 2.2	1 X 2.2	1 X 4	1 X 4	1 X 4	1 X 4
Discharge motor x KW each	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75
Total KW	16.85	17.25	19.45	24.95	24.95	30.15	30.55	37.75	37.75	37.75
Holding capacity (tonnes)	22.0	24.0	26.0	29.0	31.0	34.0	37.0	39.0	42.0	44.0
Average drier throughput @ 125C(tonnes/hr)	<b>17.0</b>	<b>20.0</b>	<b>22.0</b>	<b>26.0</b>	<b>30.0</b>	<b>32.0</b>	<b>37.0</b>	<b>41.0</b>	<b>44.0</b>	<b>46.0</b>
Average drier throughput @ 100C(tonnes/hr)	<b>13.0</b>	<b>15.0</b>	<b>17.0</b>	<b>20.0</b>	<b>23.0</b>	<b>25.0</b>	<b>28.0</b>	<b>31.0</b>	<b>33.0</b>	<b>36.0</b>
Average drier throughput @ 70C (tonnes/hr)	8.0	9.0	10.0	12.0	13.0	14.0	16.0	18.0	20.0	21.0
Average drier throughput @ 60C (tonnes/hr)	6.0	7.0	8.0	10.0	11.0	12.0	14.0	15.0	16.0	17.0



## Continuous Flow Grain Driers Specification

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DRIER MODEL	M506	M507	M508	M509	M510	M511	M512	M513	M514	M515
Overall height (mm)(Ground level to inlet)	6340	6980	7440	7990	8540	9090	9640	10190	10740	11290
Clearance under discharge hopper	420	420	420	420	420	420	420	420	420	420
Number of fans x KW each	2 X 8.6	2 X 11	2 X 11	2 X 13.6	3 X 11	3 X 11	3 X 13.6	4 X 11	4 X 11	4 X 11
Burner 3 stage x KW each	1 X 1.5	1 X 2.2	1 X 2.2	1 X 4	1 X 4	1 X 4	1 X 4	1 X 4	1 X 7.5	1 X 7.5
Discharge motor x KW each	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75
Total KW	19.45	24.95	24.95	31.95	37.75	37.75	45.55	48.75	52.25	52.25
Holding capacity (tonnes)	27.5	30.0	32.5	36.0	38.5	42.5	466.0	49.0	52.5	55.0
Average drier throughput @ 125C(tonnes/hr)	<b>21.0</b>	<b>25.0</b>	<b>28.0</b>	<b>33.0</b>	<b>37.5</b>	<b>40.0</b>	<b>47.0</b>	<b>51.0</b>	<b>55.0</b>	<b>58.0</b>
Average drier throughput @ 100C(tonnes/hr)	<b>15.5</b>	<b>18.5</b>	<b>21.0</b>	<b>24.5</b>	<b>28.0</b>	<b>30.0</b>	<b>35.0</b>	<b>38.0</b>	<b>41.0</b>	<b>43.5</b>
Average drier throughput @ 70C (tonnes/hr)	9.0	11.0	12.5	15.0	16.5	18.0	21.0	23.0	24.5	26.0
Average drier throughput @ 60C (tonnes/hr)	7.0	8.5	9.5	11.5	13.0	14.0	16.5	17.5	19.0	20.0

DRIER MODEL	M606	M607	M608	M609	M610	M611	M612	M613	M614
Overall height (mm)(Ground level to inlet)	6340	6980	7440	7990	8540	9090	9640	10190	10740
Clearance under discharge hopper	420	420	420	420	420	420	420	420	420
Number of fans x KW each	2 X 11	2 X 11	3 X 8.6	3 X 11	3 X 11	3 X 13.6	4 X 11	4 X 11	4 X 13.6
Burner 3 stage x KW each	1 X 2.2	1 X 2.2	1 X 2.2	1 X 4	1 X 4	1 X 4	1 X 7.5	1 X 7.5	1 X 7.5
Discharge motor x KW each	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75	1 X 0.75
Total KW	24.95	24.95	28.75	37.75	37.75	45.55	52.25	52.25	62.65
Holding capacity (tonnes)	33.0	36.0	39.0	43.5	46.5	51.0	55.5	58.5	63.0
Average drier throughput @ 125C(tonnes/hr)	<b>25.5</b>	<b>30.0</b>	<b>33.0</b>	<b>39.0</b>	<b>45.0</b>	<b>48.0</b>	<b>55.5</b>	<b>61.5</b>	<b>66.0</b>
Average drier throughput @ 100C(tonnes/hr)	<b>19.5</b>	<b>22.5</b>	<b>25.5</b>	<b>30.0</b>	<b>34.5</b>	<b>37.5</b>	<b>42.0</b>	<b>46.5</b>	<b>49.5</b>
Average drier throughput @ 70C (tonnes/hr)	12.0	13.5	15.0	18.0	20.0	21.5	25.0	27.5	29.5
Average drier throughput @ 60C (tonnes/hr)	9.0	10.5	12.0	15.0	16.5	18.0	21.0	22.5	24.0

### Options available:

1 x D silencers

Access platform and ladders

Outdoor specifications

Pre assembly of drying zones, reserve section, roof and access platform.

Venti Cyclone dust collection system.

**P.O.A**