BAG RATES UP TO 120 BAGS PER MINUTE

HOW MANY BAGS ARE IN ONE LAYER OF THE BOX
BAGS PER LAYER (BPL)

THE G400 SPEED FACTORS:
#1) BOMBAY DOOR OPENINGS PER MINUTE (BDO/MIN) = 65 MAX
ONE BOMBAY DOOR OPENING = ONE LAYER OF BAGS IN THE CASE

#2) INDEXING BELT (INDB) INDEXES PER MINUTE (IND/MIN) = 120 MAX
ONE INDEX = ONE BAG

ONE BAG PER LAYER	TWO BAGS PER LAYER	THREE BAGS PER LAYER
SPEED FACTOR IS BOMBAY DOOR OPENINGS (BDO/MIN)	SPEED FACTOR IS INDEXING BELT (IND/M)	SPEED FACTOR IS INDEXING BELT (IND/M)
1(BPL) X 65(BDO/MIN) = 65 (BPM)	65(BDO/M) X 2(BPL) = 130(BPM) THIS EXCEEDS 120(IND/M)	65(BDO/M) X 3(BPL) = 195(BPM) THIS EXCEEDS 120(IND/M)
MAX SPEED = 65 BAGS PER MIN (THIS USUALLY IS FOR LARGER BAGS THAT RUN SLOWER)	60(BDO/M) X 2(BPL) = 120(BPM)	40(BDO/M) X 3(BPL) = 120(BPM)

BAG RATES OF 120 TO 180 BAGS PER MINUTE

ADD HIGH SPEED BAG GROUPING CONVEYOR

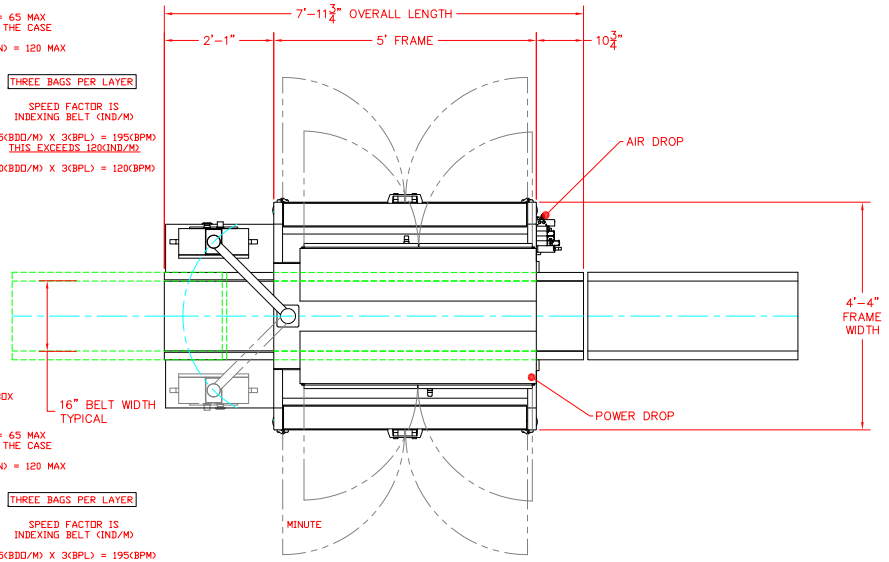
HOW MANY BAGS ARE IN ONE LAYER OF THE BOX
BAGS PER LAYER (BPL)

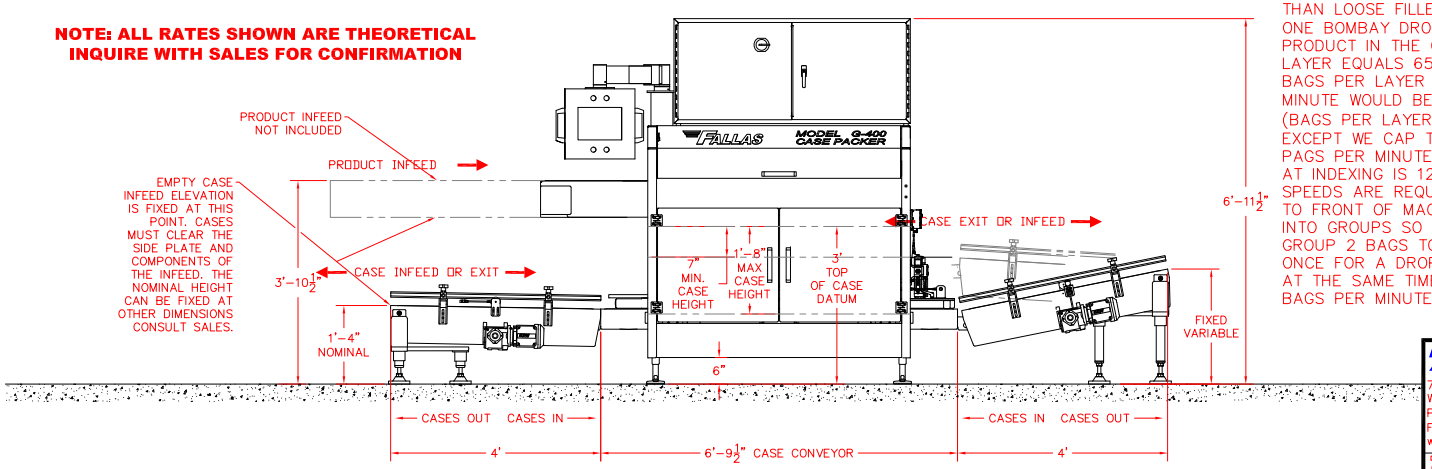
THE G400 SPEED FACTORS:
#1) BOMBAY DOOR OPENINGS PER MINUTE (BDO/MIN) = 65 MAX
ONE BOMBAY DOOR OPENING = ONE LAYER OF BAGS IN THE CASE

#2) INDEXING BELT (INDB) INDEXES PER MINUTE (IND/MIN) = 120 MAX
ONE INDEX = ONE GROUP OF BAGS

ONE BAG PER LAYER	TWO BAGS PER LAYER	THREE BAGS PER LAYER
SPEED FACTOR IS BOMBAY DOOR OPENINGS (BDO/MIN)	SPEED FACTOR IS BOMBAY DOOR OPENINGS (BDO/MIN	SPEED FACTOR IS INDEXING BELT (IND/M)
1(BPL) X 65(BDO/MIN) = 65 (BPM)	65(BDO/M) X 2(BPL) = 130(BPM)	65(BDO/M) X 3(BPL) = 195(BPM) THIS EXCEEDS HIGH SPEED GROUPING CAPABILITIES
MAX SPEED = 65 BAGS PER MIN (THIS USUALLY IS FOR LARGER BAGS THAT RUN SLOWER)	MAX SPEED = 130 BAGS PER MIN WITH 2 BAGS PER LAYER	60(BDO/M) X 3(BPL) = 180(BPM) MAX GROUPING IS 180 BAGS PER

NOTE: ALL RATES SHOWN ARE THEORETICAL INQUIRE WITH SALES FOR CONFIRMATION





STANDARD RSC CASE SIZE RANGE
LENGTH MIN=10" MAX=24"
WIDTH =6" =16"
BODY HEIGHT =4" =12"
BODY HEIGHT + OPEN TOP FLAPS = 20"
BAG SIZES: THE BELT IS 16" WIDE SO IF A BAG CAN FIT ON THE 16" WIDE BELT WITH NO OVERHANG IT CAN BE PACKED. A SMALL AMOUNT OF OVERHANG COULD BE TOLERATED WITH SPACING OUT OF THE SIDE PHOTOEYES. CONSULT SALES. BAG LENGTH WOULD BE 24"MAX.

ELECTRICAL
CASE PACKER ONLY:
460-480 VAC, 3-PHASE, 60 HZ, FUSED @ 30 AMPS
CASE PACKER WITH ADDITIONAL SUPPORT EQUIPMENT:
460-480 VAC, 3-PHASE, 60 HZ, FUSED @ 60 AMPS

AIR
NONE REQUIRED

INTERNAL CASE CONVEYOR IS RAISED AND LOWERED TO MINIMIZE THE PRODUCT DROP DISTANCE INTO THE CASE.

TOP OF CASE IS DATUM

EMPTY CASE INFEED PIVOT CONVEYOR REQUIRED AND IS INCLUDED IN COST OF MACHINE

FULL CASE EXIT CONVEYOR IS DESIRED AND IS ADDED WHEN FLOOR SPACE IS AVAILABLE.

THE G400 IS GOOD FOR 65 BOMBAY DROPS PER MINUTE (DEPENDING ON PRODUCT TYPE) LIQUIDS COULD BE LESS THAN LOOSE FILLED SOLIDS)
ONE BOMBAY DROP REPRESENTS ONE LAYER OF PRODUCT IN THE CASE. SO DROPPING ONE BIG BAG PER LAYER EQUALS 65 BAGS PER MINUTE. IF THERE ARE TWO BAGS PER LAYER THAN THEORETICALLY THE BAGS PER MINUTE WOULD BE 65 (BOMBAY DOOR OPENINGS) X 2 (BAGS PER LAYER) WOULD BE 130 BAGS PER MINUTE, EXCEPT WE CAP THE STANDARD MACHINE OFF AT 120 PAGS PER MINUTE DO TO THE INDEXING BELT MAX SPEED AT INDEXING IS 120 INDEXES PER MINUTE. IF HIGHER SPEEDS ARE REQUIRED THEN ADD HIGH SPEED MODULE TO FRONT OF MACHINE. THIS MODULE POSITIONS BAGS INTO GROUPS SO IN THE SCENERIO ABOVE WE WOULD GROUP 2 BAGS TOGETHER AND INDEX THE BELT BACK ONCE FOR A DROP OF 2 BAGS INTO THE BOMBAY DOORS AT THE SAME TIME THEN OPEN AND CLOSE AT THE 65 BAGS PER MINUTE .

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	DRAFTSMAN

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CUSTOMER NAME/ PLANT LOCATION:

TITLE:
FALLAS AUTOMATION
MODEL G400 GRAVITY DROP CASE PACKER

DRAWN BY:	SIZE:	JOB-SO#	DWG NO.:	REV.:
CMC	D		FP-G400	-
APPROVED BY: CMC	SCALE:	DATE: 12/2/20	QUOTE/PRD#	

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